



Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.



Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 23, 2012

Town of Pine Bluffs, Wyoming
Attn: Caryn Miller, Town Administrator
220 Main Street
Pine Bluffs, WY 82082

RE: Pine Bluffs Water System Improvement Project - Modification
Application No. 12-301, Laramie County

Dear Administrator Miller:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of an Existing Public Water Supply Distribution System** consisting of revising the method of abandonment of old existing water mains from "removal and disposal" as previously approved by Permit #12-114 to "Abandon existing water lines in place and replace with PVC", located in parts of **Sections 10, 14, & 15, T14N, R60W, Laramie County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 12, Section 14** of the Water Quality Division Rules and Regulations, in accordance with the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by April 11, 2017.

This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:
http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Please reference Application No. 12-301 in any future correspondence.

If you have any questions, please contact me at either ron.ewald@wyo.gov or by phone at (307) 777-6183.

Sincerely,

Ronald L. Ewald
Assistant Southeast District Engineer
Water Quality Division

RLE/rm/12-0779

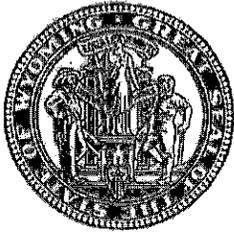
Enclosures: Certificate of Completion form

cc: IPS, Cheyenne
John Goin, Lidstone and Associates, Inc., 4025 Automation Way, Bldg E, Ft. Collins, CO 80525

Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

ADMIN/OUTREACH (307) 777-7756 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5816	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7758 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5873	WATER QUALITY (307) 777-7781 FAX 777-5973
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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 2, 2012

Kurt Meeks
Meeks Enterprises, LLC
275 N. Piney Cottonwood
Big Piney, WY 83113

RE: Meeks Enterprises- Septic System - Permit Number 12-302, SW ¼ NW ¼, T21N, Sec 24, R116W, Fairview Addition to the City of Kemmerer - Lots 21&22 Block 1, Lincoln County, WY

Dear Mr. Meeks:

The above application for coverage under General Permit to Construct a Small Wastewater Treatment Facility consisting of a 1000 gallon concrete septic tank and a 17 unit High Capacity H-20 Infiltrator System leach field to serve a shop in accordance with Chapter 3, and Chapter 11, Part D of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

If you have any questions, please contact me at 307-332-3144.

Sincerely,

Mark Baron, P.E.
Southwest District Engineer
Water Quality Division

xc: IPS, Cheyenne
Tony Tlustos, P.E., Crank Companies, P.O. Box 365, Diamondville, WY 83116
Terry Vetos, City of Kemmerer, 220 Wyoming Hwy. 233, Kemmerer, WY 83101

Page 1 of 1





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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 22, 2012

LTC Guy Beaudoin, C&FMO
Wyoming Military Department
5410 Bishop Blvd.,
Cheyenne, WY 82009

RE: Ryan Springs Shower Point Renovation, Wastewater System
DEQ Permit #12-303
Located in Platte County, E1/2, S17, T28N,R66W; (Lat. 42.4002°, Long -104.79 460°)

Dear LTC Beaudoin,

This project consists of the removal from service of an existing greywater leachfield, and the installation of a new greywater leachfield system and other associated work as described in the application.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package and the **General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility**. Construction shall be completed by **October 31, 2014**

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project.

These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

If you have any questions, please contact Hannes Stueckler at 307-335-6964 or James Brough at 307-335-6961.

Lander Field Office • 510 Meadowview Drive • Lander, WY 82520 • <http://deq.state.wy.us>

ABANDONED MINES
(307) 332-5085
FAX 332-7726

AIR QUALITY
(307) 332-6766
FAX 332-7726

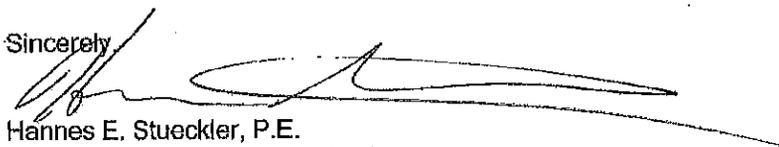
LAND QUALITY
(307) 332-3047
FAX 332-7726

SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

WATER QUALITY
(307) 332-3144
FAX 332-7726



Sincerely,



Hannes E. Stueckler, P.E.
Assistant Northwest District Engineer
Water Quality Division

xc: PDF to Cheyenne
Erin M. Gates PE, BenchMark Engineers, 1920 Thomas Ave., Suite 620, Cheyenne, WY 82001



Department of Environmental Quality

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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

September 19, 2012

LTC Guy Beaudoin, C&FMO
Wyoming Military Department
5410 Bishop Boulevard
Cheyenne, WY 82009

RE: Ryan Springs Shower Point Renovation, Water System
DEQ Permit #12-304
Located in Platte County, E12/ S17, T28N, R66W; Lat 42.4002, Long -104.7946

Dear Mr. Beaudoin,

This project consists of the installation of a new 8,000 water storage tank and associated 2-inch water conveyance lines which would potentially serve the existing shower facility. In accordance to the plans submitted under permit application 12-304, this permit DOES NOT consist of the connection of the water supply system to the wellhead or to the shower facility. To complete the connection will require a separate permit to construct, which will detail the ability to disinfect the water system if required by EPA.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 12 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

You are authorized to construct, the facility in accordance with the the materials submitted in your application package and the General Permit to Construct, Install, Modify or Operate Extensions to or Modification to Existing Public Water Supply Distribution Systems. Construction shall be completed by October 31, 2014

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project.

These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

If you have any questions, please contact Hannes Stueckler at 307-335-6964 or Seth Tourney at 307-777-7088

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ABANDONED MINES
(307) 332-5085
FAX 332-7726

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(307) 332-6755
FAX 332-7726

LAND QUALITY
(307) 332-3047
FAX 332-7726

SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

WATER QUALITY
(307) 332-3144
FAX 332-7726

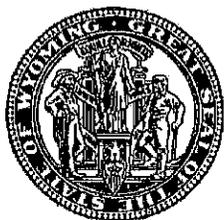


Sincerely,



Hannes E. Stueckler, P.E.
Assistant Northwest District Engineer
Water Quality Division

xc: PDF to Cheyenne
Erin M. Gates P.E., BenchMark Engineers, P.C., 1920 Thomas Avenue, Suite 620, Cheyenne, WY, 82001



Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 24, 2012

Courtney Poling
8350 Guy Cemetery Road
Mechaniberg, OH 43044

RE: Poling's Small Wastewater Facility, DEQ Permit #12-305, Carbon County, N 1/2 NE 1/4, S30, T14N, R82W

Dear Mrs. Poling:

This project consists of the installation of a septic tank and gravity fed drainfield to serve a three-bedroom residence. The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 25 of the Wyoming Water Quality Rules and Regulations and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package and the General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility. Construction shall be completed by October 31, 2014.

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

If you have any questions, please contact Seth Tourney at 307-777-7088 or James Brough at 307-335-6961.

Sincerely,

James Brough, P.E.
Northwest District Engineer
Water Quality Division

xc: PDF to Cheyenne

Land and Field Office 5100 Meador Avenue Drive Lander, WY 82526 <http://deq.state.wy.us>

ABANDONED MINES
(307) 332-5085
FAX 332-7726

AIR QUALITY
(307) 332-6755
FAX 332-7726

LAND QUALITY
(307) 332-3047
FAX 332-7726

SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

WATER QUALITY
(307) 332-3144
FAX 332-7726



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

CHANGE OF OWNERSHIP

PERMIT NO. 12-306
SPECIAL CONDITIONS

REF/PERMIT NO. 94-272, 96-442, 09-401 and 11-092

Silo Field Processing Facility

This permit hereby authorizes the applicant:

R360 Silo, LLC
16945 Northchase Drive, Suite 2200
Houston, TX 77060

to assume ownership of the commercial oil and gas exploration and production exempt waste disposal and treatment pond permitted to receive produced water and non-hazardous wastewater, and operate it according to the procedures and conditions of this permit number 12-306, as derived from the reference permit numbers 94-272, 96-442, 09-401 and 11-092. The facility is located in the northeast quarter of Section 12, Township 15 North, Range 65 West, in the county of Laramie, in the State of Wyoming.

The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and operator. Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility will meet applicable permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction, design or operation of the facility described herein. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and operator are solely responsible for any liability arising from the construction, maintenance or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, Water Quality Division, to enter and inspect any property, premise or place on or at which the facility is located or where land application of waste is made for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

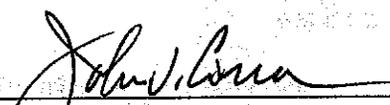
The permittee shall operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of this permit, 12-306; referenced permits 94-272, 96-442, 09-401 and 11-092, and applicable supporting documents. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 1 of 5 The applicant will provide immediate oral and/or written notice to DEQ CBM / Oil and Gas Group, 152 North Durbin Street, Suite 100, Casper, WY 82601, in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 5 Permit to Construct 94-272 was issued for the construction of the Silo Processing Facility and allowed the facility to accept and treat produced water from oil exploration and production activities. Permit to Construct 96-442 was issued to allow the facility to accept and treat non-hazardous wastewater. Permit to Construct 09-401 was issued to transfer ownership of the facility. Permit to Construct 11-092 was issued to transfer ownership of the facility.
- 3 of 5 The validity of this permit is subject to the owner maintaining a bond acceptable to the State of Wyoming, DEQ/WQD for the amount of the facility closure and post-closure costs. The bonding amount is subject to review on an annual basis and is due to the DEQ CBM / Oil and Gas Group, 152 North Durbin Street, Suite 100, Casper, WY 82601 by April 1.
- 4 of 5 All other aspects and requirements of Permit to Construct 94-272, 96-442, 09-401, and 11-092 are still valid and need to be adhered to.
- 5 of 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

8-9-12
Date of Issuance

JDL/KJM/rm/12-0733

STATEMENT OF BASIS

1. Permit Number: **12-306**

2. Application reviewed for compliance with the following applicable regulations :

Chapters 3, 11, and 14 of the Wyoming Water Quality Rules and Regulations

3. Does the permit comply with all applicable regulations identified above?

YES

4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.

a. The permit includes approval to deviate from the following regulatory requirements:

Not applicable

b. Briefly state the basis for the deviation.

Not applicable

c. Permit approval is based upon deviation from applicable regulations in accordance with approved policy statement.

Not applicable

5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was required.

6. If Section 17 of Chapter 3 review is required, indicate the basis for determining groundwater will be protected.

The facility will not allow a discharge to groundwater.

Permit to Construct 94-272 was permitted with a synthetic liner and leak detection system and was accepted on the basis that it would not have a discharge to groundwater.

Quality of wastewater is such that it will not cause a violation of groundwater standards.

Not applicable

Existing soils or geology will not allow a discharge to groundwater.

Not applicable

The facility is designed and will be operated so that it will not to violate groundwater standards.

Not applicable

Discharge will result in groundwater concentrations in excess of standards but post discharge water quality can be returned to standards in accordance with Section 4 (d)(vi), Chapter VIII. Briefly describe:

Not applicable

If any groundwater quality standards are to be exceeded, briefly describe how any users of the affected aquifer will be protected. The description should include the water quality standard affected, the anticipated maximum concentration, the property boundaries, places of groundwater withdrawal and any other relevant information.

Not applicable

Briefly describe monitoring plan. The groundwater monitoring plan includes the monitoring wells or other sampling points, the parameters to be analyzed, the sampling frequency and reporting methods.

Not applicable

The permit should clearly state the parameters to be utilized for determining compliance and what occurrences constitute a violation. The permit should identify the corrective actions to be taken in the event of a violation of a groundwater standard.

Documentation of Statement of Basis.

The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Kim Medina, CBM / Oil and Gas Group and completed on August 6, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

KJM/rm/12-0733

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

X CHANGE OF OWNERSHIP

PERMIT NO. 12-307
SPECIAL CONDITIONS
REF/PERMIT NO. 11-283

R360 Niobrara Silo Fields Expansion – Phase I
Commercial Oilfield Wastewater Evaporation Pond

This permit hereby authorizes the applicant:

R360 Silo, LLC
16945 Northchase Drive, Suite 2200
Houston, TX 77060

to assume ownership of the up to ten (10) evaporative pond cells for disposal of oilfield exploration and production wastewaters, according to the procedures and conditions of the application number 12-307, as derived from the reference permit number 11-283. The facility is located in a portion of the northeast quarter of Section 12, Township 15 North, Range 65 West, in the county of Laramie, in the State of Wyoming. The facility is located approximately 15 miles northeast of Cheyenne, Wyoming. All construction, installation, or modification allowed by this permit shall be completed by July 1, 2016.

The issuance of this permit confirms that the Wyoming Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and operator.

Granting this permit does not imply that DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by Wyoming statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the State of Wyoming does not waive its sovereign immunity.

The permittee shall allow authorized representatives from DEQ to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

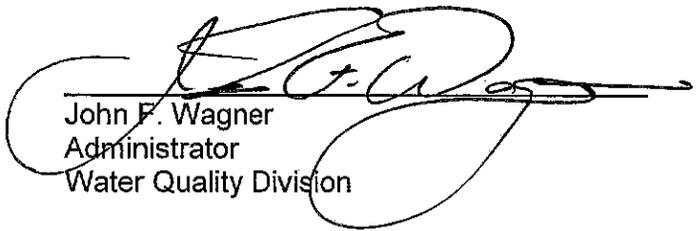
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of this permit, 12-307; referenced permit 11-283 and supporting documents. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

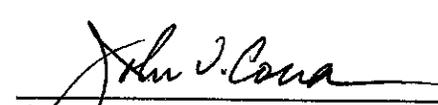
- 1 of 6 The applicant will provide immediate oral or written notice to the CBM / Oil and Gas Group, Water Quality Division, 152 North Durbin Street, Suite 100, Casper, WY 82601, Phone 307-473-3465, FAX 307-473-3458, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 6 Permit to Construct 11-283 was issued for the construction of Phase I of the Silo Fields Expansion and allowed the facility to accept and treat produced water from oil exploration and production activities.
- 3 of 6 The validity of this permit is subject to the owner maintaining a bond acceptable to the State of Wyoming, DEQ/WQD for the amount of the facility closure and post-closure costs. The bonding amount is subject to review on an annual basis. The bond amount may be "phased-in", in accordance to the facility construction. However, prior to construction of any pond, financial assurance must be in place which covers the next construction phase. This additional bonding must be acceptable to the State of Wyoming prior to any construction related to that phase.
- 4 of 6 An annual report will be submitted to DEQ CBM / Oil and Gas Group by April 1 of each year. The annual report will include relevant details of the construction, modification, and operation details of the facility from the previous year, any anticipated construction, modification and/or operational changes for the upcoming year. The report will include a discussion and analysis of the groundwater monitoring, leak detection monitoring and pond analysis. A listing of all non exploration and production wastes accepted by the facility will also be included in the annual report. This listing shall include generator, type of waste, amount and date of disposal. The annual report will also include a review of the closure and post closure requirements, including financial costs. A renewal of the bond will be required as part of the annual report. Reporting requirements are subject to modification by DEQ.

- 5 of 6 All other aspects and requirements of Permit to Construct 11-283 are still valid and need to be adhered to.
- 6 of 6 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

8-9-12
Date of Issuance

JDL/KJM/rm/12-0734

STATEMENT OF BASIS

1. Permit Number: **12-307**
2. Application reviewed for compliance with the following applicable regulations :
Chapters 3 and 11 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?
YES
4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.
 - a. The permit includes approval to deviate from the following regulatory requirements:
Chapter 11, Part C
 - b. Briefly state the basis for the deviation.
The applicant is aware that the ponds may not be used until an approved treatment and/or phase separation facility is permitted, constructed and operating in accordance with the submitted design report.
 - c. Permit approval is based upon deviation from applicable regulations in accordance with approved policy statement.
Not applicable
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was required.
6. If Section 17 of Chapter 3 review is required, indicate the basis for determining groundwater will be protected.

The facility will not allow a discharge to groundwater.

Under Permit to Construct 11-283, each pond will have a primary liner of 60 mil high density polyethylene with a 40 mil high density polyethylene secondary liner. A compacted clay subgrade will be installed under the secondary liner. A leak detection system will be installed between the two liners. Groundwater monitoring wells will also be installed at the facility to monitor groundwater on a quarterly basis.

Quality of wastewater is such that it will not cause a violation of groundwater standards.

Not applicable

Existing soils or geology will not allow a discharge to groundwater.

Not applicable

The facility is designed and will be operated so that it will not to violate groundwater standards.

Not applicable

Discharge will result in groundwater concentrations in excess of standards but post discharge water quality can be returned to standards in accordance with Section 4 (d)(vi), Chapter VIII.

Briefly describe:

Not applicable

If any groundwater quality standards are to be exceeded, briefly describe how any users of the affected aquifer will be protected. The description should include the water quality standard affected, the anticipated maximum concentration, the property boundaries, places of groundwater withdrawal and any other relevant information.

Not applicable

Briefly describe monitoring plan. The groundwater monitoring plan includes the monitoring wells or other sampling points, the parameters to be analyzed, the sampling frequency and reporting methods.

Under Permit to Construct 11-283, the leak detection system will be checked weekly for the first month after the ponds are filled. A log will be kept of the inspection results. The leak detection system is also monitored by a high level alarm system. If fluid is found, DEQ will be notified immediately. If a leak is confirmed, the pond(s) will be pumped dry of all wastewater. No additional wastewater will be placed into the pond(s) until a complete inspection and test of the liner is completed.

Measurement of depth to groundwater and testing of groundwater is to be performed prior to filling any ponds at this facility. Groundwater monitoring will be conducted on a quarterly basis and results reported to DEQ within a month after receiving laboratory analytical reports. If groundwater monitoring indicates a release to groundwater, a plan to investigate the extent of the release will be submitted to DEQ within 30 days after confirming the release for DEQ's approval. Following approval, the plan will be implemented.

Fluids in the pond are to be checked annually for hazardous constituents by collecting a sample from each pond in operation.

Operational concerns will be identified in an annual report to be submitted to DEQ by April 1 of each year. Any changes in operations, a discussion of groundwater monitoring, leak detection system operation, and pond characterization is to be included in the annual report.

The permit should clearly state the parameters to be utilized for determining compliance and what occurrences constitute a violation. The permit should identify the corrective actions to be taken in the event of a violation of a groundwater standard.

Documentation of Statement of Basis.

The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Kim Medina, CBM / Oil and Gas Group and completed on August 6, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

ROAD APPLICATION PERMIT

New
Renewal
Modified

PERMIT NO. 12-308
SPECIAL CONDITIONS

Haystack Mine Road (Phase II) IRP-CN19035 Road Application

This permit hereby authorizes the applicant:

McMurry Ready Mix
P.O. Box 2488
Casper, WY 82602

to road apply approximately 6,750,000 gallons of wastewater, at a rate not to exceed 300,000 gallons per day, according to the procedures and conditions of application number 12-308. The application site is located in Sections 32 and 33, Township 17 North, Range 117 West, in the county of Uinta, in the State of Wyoming. The application site is located approximately 20 miles south of Kemmerer, Wyoming. This permit shall be effective until November 15, 2012.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable standards. Compliance with DEQ standards is the responsibility of the permittee, owner, and/or operator.

Nothing in this permit constitutes an endorsement by the DEQ of the disposal method described herein. This permit verifies only that the submitted application meets the standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance of, the permitted activity. The permittee, owner and/or operator are solely responsible for any liability arising from the waste disposal permitted. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, Water Quality Division, to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

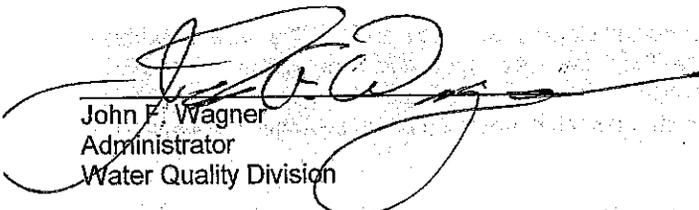
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

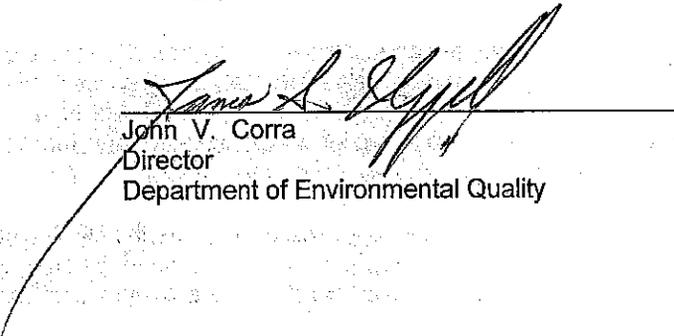
- 1 of 10 The permittee shall notify representatives from the DEQ/WQD at least 48 hours prior to the application of water. The authorized representative in your area can be contacted at the following address: DEQ/WQD, Casper WDEQ Field Office, 152 North Durbin Street, Suite 100, Casper, WY 82604, telephone (307) 473-3452; FAX (307) 473-3458.
- 2 of 10 The permittee shall provide immediate oral and/or written notice to the Casper WDEQ Field Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications to the approved permit package.
- 3 of 10 The permittee shall provide certification that the project was completed in accordance with the terms and conditions of the permit within sixty (60) days of the project completion to the Casper WDEQ Field Office on the attached Certification of Completion form.

- a. Date that the road application was completed; and
- b. Certification the road application was done in accordance with the terms and conditions of the permit; or
- c. Certification the road application was completed with changes or modifications. Submit the information necessary to clearly indicate the road application as actually performed.

- 4 of 10 The review and approval of this permit is based upon the items identified in the attached Statement of Basis.
- 5 of 10 The water to be road applied will be obtained from the south pond at the Pacificorp Naughton Power Plant.
- 6 of 10 The application site slope shall not exceed eight percent (8%) for vehicular application.
- 7 of 10 Application of wastewater from the Naughton Power Plant shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
- 8 of 10 Only the roads designated in this permit are authorized for application of the wastewater from the Naughton Power Plant. Water from the Naughton Power Plant will not be used for dust suppression outside of the designated area.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

8-3-12

Date of Issuance

KJM/rm/12-0705

STATEMENT OF BASIS

I. General information.

A. Permit Number: 12-308

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. No

B. Chapter XII. No

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

No

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

There are no numeric standards or criteria in Chapter XI for road application. W.S. 35-11-301 (a)(iii) requires a permit to be issued when any disposal system capable of causing or contributing to pollution is constructed, installed, modified, or operated.

B. Briefly state the basis for the deviation.

Road application is permitted when DEQ authorized disposal facilities are not readily available, a beneficial use of the waste to be applied is possible, and significant impact to waters of the State is minimized. The source of water for this construction project has dried up and there are no other sources of water within 25 miles. The wastewater will be incorporated into the soil, to obtain maximum density for compaction. The wastewater will be obtained from the Naughton Power Plant, which is subject to a WYPDES permit. There have been no reported exceedences of the WYPDES permit from the outfall associated with this wastewater pond.

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

District Policy numbers 10.1 (4/9/91), 10.2 (10/17/86), 10.3 (8/91), 10.4 (10/24/91), and 10.6 (1/18/91) address the statutory authority to regulate the road application of waste, establish criteria for characterizing the waste, and determine acceptable conditions for the application of the waste to roadbeds to minimize impact to waters of the State.

District Policy 10.2 (10/17/86)

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III¹. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

¹Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

NA

VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

A. Facility will not allow a discharge to groundwater. Briefly describe:

The opportunity for direct or indirect discharge, percolation, or filtration to groundwater is minimized by uniformly applying the wastewater onto the roadbed and embankment during construction. Over-application of wastewater would be detrimental to the construction project.

B. Quality of waste is such that it will not cause a violation of groundwater standards. Briefly describe:

NA

C. Existing soils or geology will not allow a discharge to groundwater. Briefly describe:

NA

D. Basis of facility design is that it will be operated so as not to violate groundwater standards (example: maintenance of manure pack at animal waste treatment facility). Briefly describe:

NA

E. Discharge will result in groundwater concentrations in excess of standards but post discharge water quality can be returned to standards in accordance with Section 4 (d)(vi), Chapter VIII. Briefly describe:

NA

F. If water quality exceedances are allowed, briefly describe the parameter limits, property boundaries, places of withdrawal and any other information documenting that any users of affected aquifer will not be impacted.

NA

G. Briefly describe monitoring system (parameters, frequency, etc.). Clearly state the parameters to be utilized for determining compliance, what constitutes a violation and steps to be followed by the permittee in the event of a violation.

NA

VII. Documentation of Statement of Basis.

A. The archive file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Kim Medina, Project Geologist, and completed on July 31, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 12-310

PRAIRIE WIND ELEMENTARY SCHOOL WELL

This permit hereby authorizes the applicant:

LARAMIE COUNTY SCHOOL DISTRICT NO. 1
2810 house Avenue #202
Cheyenne, WY, 82001

to construct, install or modify one test well by drilling two pilot holes and reaming one hole to 12-inch diameter according to the procedures and conditions of the application number 12-310. The facility is located in NE 1/4 of the SE 1/4 of Section 36, T15N, R67W; Laramie County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed August 31, 2015.

The issuance of this permit confirms that the Wyoming Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and operator.

Granting this permit does not imply that DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by Wyoming statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the State of Wyoming does not waive its sovereign immunity.

The permittee shall allow authorized representatives from DEQ to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

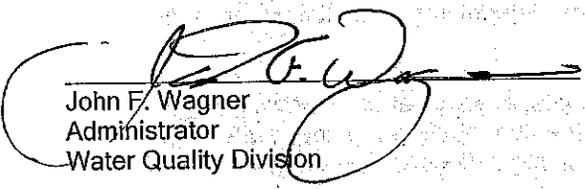
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

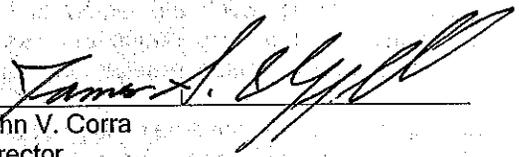
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

1. The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7088, FAX 307-777-7610, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
2. Separate permits to construct will be required for the improvements necessary to the wells to supply water to a public water system.
3. The pitless adapter and the 2-inch water line towards the school facilities shall not be constructed with this permit.
4. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
 - e. As a part of the certificate of completion, the Engineer must certify that all Test Wells have been plugged and abandoned as required by Chapter 11, WQD Rules and Regulations.
5. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

Date of Issuance 9-11-12

SWT/rm/12-0820

STATEMENT OF BASIS

1. Permit Number: **12-310**
2. This application was reviewed for compliance with the applicable regulations ;
 Chapters 3, 12
3. Does the permit comply with all applicable regulations identified above?
 Yes
4. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was not required.
Public water supplies are exempted from review by Chapter 3, Section 17.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Seth Tourney, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on September 7, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality

*To protect, conserve, and enhance the quality of Wyoming's
environment for the benefit of current and future generations.*



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 • Casper, WY 82601 • (307) 473-3450

John Corra, Director

NOTIFICATION OF COVERAGE

August 28, 2012

Daniel Fairbanks
W289N8523 Northbay Road
Hartland, WI 83029

RE: Fairbanks Small Wastewater System
Application No. **12-311, Crook County**

Dear Mr. Fairbanks:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,000 gallon and 1,500 gallon Boom concrete septic tanks discharging into a Biodiffuser standard unit bed system with six rows of approximately 14 chambers each, for six cabins, an office, and bathhouse located in the NW $\frac{1}{4}$, **Section 13, Township 51N, Range 63W**, Crook County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with **Chapter 25** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2014**.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Additionally, the following permit condition applies:

1. Flow-divider tees or a distribution box is required to evenly split flow between trenches. Standard tees are not an adequate substitute for flow-dividing tees.
2. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.
Assistant NE District Engineer
WDEQ/WQD

cc: IPS, Cheyenne
WDEQ Casper File
Tim Lyons, Crook County Growth and Development
Kenneth Rathbun, P.E., P.O Box 130, Sundance, WY 82729

Cheyenne
122 West 25th Street 82002
(307) 777-7937

Lander
510 Meadowview Drive 82520
(307) 332-3144

Sheridan
2100 W. 5th Street 82801
(307) 673-9337





Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.



Matthew H. Mead, Governor

Todd Parfitt, Director

January 17, 2013

Hatchet Resort (Moran Mountain Resorts, LLC)
Attn: Mr. Pat O'Gara
P. O. Box 316
Moran, WY 83013

RE: Hatchet Resort Septic System
Final Permit 12-312, Class V Septic System
Teton County, Wyoming

Dear Mr. O'Gara:

Attached please find one copy of the Class V septic system permit for the facility referenced above. This permit requires semi-annual groundwater sampling of monitor well "SAS Number 1" and this facility's public water supply well. The permit also requires an annual inspection and periodic pumping of the septic tanks and grease trap.

The corresponding report forms can be filled out using our on-line webform (Monitor Reports Link), or one may have the lab submit them using Electronic Data Deliverable (EDD) at the following site: <https://gem.wqd.apps.deq.wyoming.gov/Default.aspx>. If you do not have a GEM database account, you may apply for an account using this link. For your convenience the monitoring reports have been enclosed. You may use the paper forms to report your inspection and monitoring activities to WDEQ.

The underground injection control program was promulgated to prevent serious problems caused by direct discharges to the groundwater. Those problems included groundwater pollution leading to contamination in domestic water wells and serious health affects caused by exposures to toxic substances and water borne pathogens. Your cooperation with our program is sincerely appreciated.

If you have any questions please do not hesitate to contact me at (307) 777-6682 or by email at kathy.shreve@wyo.gov

Sincerely,

Kathy Shreve
Environmental Program Principal
Water Quality Division

KS/rm/13-0054

Enclosure: Final Permit 13-312
Monitoring Report Forms



STATE OF WYOMING
CLASS V (5E3) LARGE CAPACITY SEPTIC (GROUNDWATER MONITORING)
DEPARTMENT OF ENVIRONMENTAL QUALITY
UIC
REPORTING FORM FOR CLASS V INJECTION WELLS

This form shall accompany the submission of any report, documentation or data required by the UIC permit issued to this facility

Company Name:	Moran Mountain Resorts, LLC
Contact Person:	PAT O'GARA
Phone Number:	307-856-0567
Company Address:	2334 Rose Lane Riverton, WY 82501
Facility Name:	Septic System (HATCHET RESORT)
Facility Number:	WYS-039-034
Permit Number:	12-312
Legal Location:	T:45.00 R:113.00 S:36.00

Report Frequency:	Annual
EDD Information:	Report ID = 179406; Facility ID = 3404; Sample ID = 2414

Sample Point:	Well SAS Number 1
Sample Point Type:	Monitor Well
Formation:	Blackrock Creek Alluvium

Report Comments:

Chloride, Total (CHLORIDE)

50 ml glass or plastic container, holding time 28 days.

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualifier	EPA Method	Comments
LAB	1/1/2013	6/30/2013	1/1/2013		0-250	mg/L				
LAB	7/1/2013	12/31/2013	7/1/2013		0-250	mg/L				

Total Coliform (COLIFORM)

Sample from flow line.

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualifier	EPA Method	Comments
LAB	1/1/2013	6/30/2013	1/1/2013		0	colonies/100mL				
LAB	7/1/2013	12/31/2013	7/1/2013		0	colonies/100mL				

Nitrogen, Ammonia as N (N_NH3)

250 ml glass or plastic container, cool to 4 degrees, preserve with 5ml, 50% Sulfuric Acid or equivalent. Centigrade, holding time 28 days

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualifier	EPA Method	Comments
LAB	1/1/2013	6/30/2013	1/1/2013		0-0.5	mg/L				
LAB	7/1/2013	12/31/2013	7/1/2013		0-0.5	mg/L				

Nitrate (NO3)

250 ml glass or plastic container, preserve with 5ml, 50% Sulfuric Acid or equivalent to pH or 2 or less.

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualifier	EPA Method	Comments
LAB	1/1/2013	6/30/2013	1/1/2013		0-10	mg/L				
LAB	7/1/2013	12/31/2013	7/1/2013		0-10	mg/L				

pH, Field (pH_Field)

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Comments
Lab	1/1/2013	6/30/2013	1/1/2013		6.5-8.5	Standard Units	
Lab	7/1/2013	12/31/2013	7/1/2013		6.5-8.5	Standard Units	

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

STATE OF WYOMING
CLASS V (SE3) LARGE CAPACITY SEPTIC (GROUNDWATER MONITORING)
DEPARTMENT OF ENVIRONMENTAL QUALITY
UIC
REPORTING FORM FOR CLASS V INJECTION WELLS

This form shall accompany the submission of any report, documentation or data required by the UIC permit issued to this facility

Company Name:	Moran Mountain Resorts, LLC
Contact Person:	PAT O'GARA
Phone Number:	307-856-0567
Company Address:	2334 Rose Lane Riverton, WY 82501
Facility Name:	Septic System (HATCHET RESORT)
Facility Number:	WYS-039-034
Permit Number:	12-312
Legal Location:	T:45.00 R:113.00 S:36.00

Report Frequency:	Annual
EDD Information:	Report ID = 179405; Facility ID = 3404; Sample ID = 12820

Sample Point:	Well Public Supply Well Luther No. 1
Sample Point Type:	Water Supply
Formation:	Blackrock Creek alluvium

Report Comments:

Chloride, Total (CHLORIDE)

50 ml glass or plastic container, holding time 28 days.

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualifier	EPA Method	Comments
LAB	1/1/2013	6/30/2013	1/1/2013		0-250	mg/L				
LAB	7/1/2013	12/31/2013	7/1/2013		0-250	mg/L				

Total Coliform (COLIFORM)

Sample from flow line.

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualifier	EPA Method	Comments
LAB	1/1/2013	6/30/2013	1/1/2013		0	colonies/100mL				
LAB	7/1/2013	12/31/2013	7/1/2013		0	colonies/100mL				

Nitrogen, Ammonia as N (N_NH3)

250 ml glass or plastic container, cool to 4 degrees, preserve with 5ml, 50% Sulfuric Acid or equivalent. Centigrade, holding time 28 days

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualifier	EPA Method	Comments
LAB	1/1/2013	6/30/2013	1/1/2013		0-0.5	mg/L				
LAB	7/1/2013	12/31/2013	7/1/2013		0-0.5	mg/L				

Nitrate (NO3)

250 ml glass or plastic container, preserve with 5ml, 50% Sulfuric Acid or equivalent to pH or 2 or less.

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualifier	EPA Method	Comments
LAB	1/1/2013	6/30/2013	1/1/2013		0-10	mg/L				
LAB	7/1/2013	12/31/2013	7/1/2013		0-10	mg/L				

pH, Field (pH_Field)

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Comments
Lab	1/1/2013	6/30/2013	1/1/2013		6.5-8.5	Standard Units	
Lab	7/1/2013	12/31/2013	7/1/2013		6.5-8.5	Standard Units	

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

STATE OF WYOMING
CLASS V (5E3) LARGE CAPACITY SEPTIC INJECTATE VOLUME
DEPARTMENT OF ENVIRONMENTAL QUALITY
UIC
REPORTING FORM FOR CLASS V INJECTION WELLS

This form shall accompany the submission of any report, documentation or data required by the UIC permit issued to this facility

Company Name:	Moran Mountain Resorts, LLC
Contact Person:	PAT O'GARA
Phone Number:	307-856-0567
Company Address:	2334 Rose Lane Riverton, WY 82501
Facility Name:	Septic System (HATCHET RESORT)
Facility Number:	WYS-039-034
Permit Number	12-312
Legal Location:	T:45.00 R:113.00 S:36.00

Report Frequency:	Annual
EDD Information:	Report ID = 179403; Facility ID = 3404; Sample ID = 1487

Sample Point:	Well Septic System (HATCHET RESORT)
Sample Point Type:	Class V (Injection Wells)
Formation	Sample 1

Report Comments: _____

Injection Volume Total (IVTot)

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Comments
FLD	1/1/2013	6/30/2013	1/1/2013			bbbs/d	
FLD	7/1/2013	12/31/2013	7/1/2013			bbbs/d	

Sludge Depth (SL_Depth)

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Comments
FLD	1/1/2013	12/31/2013	1/1/2013			Feet	

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

STATE OF WYOMING
CLASS V (5E3) LARGE CAPACITY SEPTIC INJECTATE VOLUME
DEPARTMENT OF ENVIRONMENTAL QUALITY
UIC
REPORTING FORM FOR CLASS V INJECTION WELLS

This form shall accompany the submission of any report, documentation or data required by the UIC permit issued to this facility

Company Name:	Moran Mountain Resorts, LLC
Contact Person:	PAT O'GARA
Phone Number:	307-856-0567
Company Address:	2334 Rose Lane Riverton, WY 82501
Facility Name:	Septic System (HATCHET RESORT)
Facility Number:	WYS-039-034
Permit Number:	12-312
Legal Location:	T:45.00 R:113.00 S:36.00

Report Frequency:	Annual
EDD Information:	Report ID = 179404; Facility ID = 3404; Sample ID = 12825

Sample Point:	Well Grease Trap
Sample Point Type:	Visual
Formation:	Blackrock Creek Alluvium

Report Comments:

Sludge Depth (SL_Depth)

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Comments
FLD	1/1/2013	12/31/2013	1/1/2013			Feet	

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

STATE OF WYOMING
DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND INJECTION CONTROL PERMIT ISSUED UNDER
WYOMING WATER QUALITY RULES AND REGULATIONS
CHAPTER 16

CLASS V INJECTION WELL

- New
 Modified
 Renewal

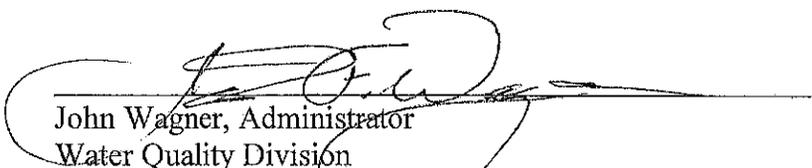
Permit Number **12-312**
Previous Permit(s): 99-434, 03-024
Facility Number WYS-039-034
State Subclass: 5E3

In compliance with the Wyoming Environmental Quality act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through 301 (a)(iv), Laws 1973, Ch. 250, Section 1) and Wyoming Water Quality Rules and Regulations, Chapter 16.

Applicant: Hatchet Resort (Moran Mountain Resorts, LLC)
Attn: Mr. Pat O'Gara
19980 US Hwy. 287 (P. O. Box 316)
Moran, WY 83013

Moran Mountain Resorts, LLC, hereafter referred to as the permittee, is authorized to continue operating the septic systems located in the NE¼ of the NE¼ of Section 36 Township 45 North, Range 113 West, of the 6th Principal Meridian, Teton County. The permittee is allowed to operate the facility according to the procedures, conditions, and requirements of application 12-312 and to the requirements and other conditions of this permit.

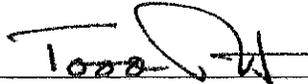
This permit shall become effective on date of issuance, and is valid for ten (10) years.



John Wagner, Administrator
Water Quality Division
Herschler Building, 122 West 25th Street
Cheyenne, WY 82002

11/18/13

Date



Todd Parfitt, Director
Department of Environmental Quality
Herschler Building, 122 West 25th Street
Cheyenne, WY 82002

1/20/13

Date

KS/rm/13-0054

Table of Contents

A.	Discharge Zone.....	3
B.	Well and Area of Review	3
C.	Groundwater Classification.....	3
D.	Authorized Operations.....	3
E.	Hazardous Waste	4
F.	Proper Operation and Maintenance	4
G.	Entry and Inspection.....	5
H.	Environmental Monitoring Program for Groundwaters of the State.....	5
I.	Requirements for Monitoring Groundwaters of the State	8
J.	Test Procedures.....	9
K.	Records and Reports	9
L.	Permit Actions	9
M.	Abandonment.....	10
N.	Duties of the Permittee	10
O.	Signatories Requirement.....	10
P.	Noncompliance	11
Q.	Permit Transfer	12
R.	Property Rights	12
S.	Severability	12

A. Discharge Zone

The septic system is authorized to inject 4,140 gallons per day on average (calculated as sixty percent (60%) of maximum) and 6,900 gallons per day maximum. The primary treated wastewater is injected into the alluvium of Blackrock Creek, which is found at this location from five (5) to fifty (50) feet below the ground surface.

B. Well and Area of Review

The injection wells authorized by this permit are located as follows:

NE¼ of the NE¼ of Section 36 Township 45 North, Range 113 West, of the 6th Principal Meridian, Teton County.

The Area of Review is defined as a circular area of three hundred sixty (360) acres with the injection facility located near its center.

The Area of Review is based upon the following assumptions:

Table 1 (Area of Review Inputs)

Description	Inputs	Units
Permit Duration	10	Years
Porosity	10	Percent
Maximum Injection Rate	6,900	GPD
Thickness of Receiver	22	Feet
Area of Review	360	Acres
Hydraulic Conductivity	5.7	Feet/Day

C. Groundwater Classification

The groundwater in the unnamed alluvial aquifer along Blackrock Creek is classified as Class I according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification is made because the groundwater in this formation is currently being used for domestic purposes at several nearby points of withdrawal, and because background water quality supplied by the permittee is indicative of Class I groundwater quality. Ground water of Class I shall not be degraded to make it unusable as a source of water for this purpose. An aquifer that contains less than 10,000 mg/L total dissolved solids (and is not exempted) can be considered an underground source of drinking water.

D. Authorized Operations

The permittee is authorized to inject 4,140 gallons per day on average and 6,900 gallons per day maximum. The wastewater is primarily-treated domestic sewage that originates from a restaurant, a store with public restrooms, manager's residence, single family guest cabin, employee housing, a motel complex with twenty-two (22) rooms, and a laundry that serves only the motel (not open to the public). The resort is in operation for nine to ten (9-10) months of the year, and was originally constructed in the 1950s. The resort's septic system has been upgraded/redeveloped several times since it was originally constructed. The septic systems and their respective flow rates are in **Table 2**.

Table 2 Permitted Septic System

Description	Type of Unit	Number of Units	Unit Flow	Average Discharge (GPD) calculated as 60 % of Peak Discharge	Peak Discharge (GPD)
Motel	1-Bed Units	3	40 gpd each	456	760
	2-Bed Units	8	80 gpd each		
Family Cabin	Bedrooms	3	150 gpd each	270	450
Lodge Apartment	Bedrooms	1	150 gpd each	90	150
Lodge Room Suites	2-Bed Units	4	80 gpd each bed	384	640
Employee Housing	Beds	18	150 gpd each	1,620	2,700
Store with Public Restrooms	Customers per day	50	5 gpd each	150	250
Manager's Residence	Bedrooms	2	150 gpd each	180	300
Restaurant	Meals per day	110	15 gpd each	990	1,650
Totals				4,140	6,900

If additional sewage flows are added beyond those identified in the permit application, the leach field and/or treatment system may need to be enlarged in which case the permittee must submit a revised application and receive a new permit prior to modification of the leach field or treatment system.

E. Hazardous Waste

This permit does not allow for the injection of any hazardous waste as defined in 40 CFR 261.3 and in Wyoming Solid Waste Management Rules and Regulations, Chapter 2. Injection of any substance defined as a hazardous waste, whether hazardous by listing or by characteristic is a violation of this permit.

F. Proper Operation and Maintenance

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit. The permittee shall operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes: effective performance, adequate funding, operator staffing and training, and laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit. The injection wells covered

by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapters 11, 16, and 25.

The permittee is required to operate in accordance with statements, representations and procedures presented in the complete permit application and supporting documents as accepted and approved by the Administrator. Any modifications which will result in a violation of permit conditions shall be reported by submission of a new or amended permit application and shall not be implemented until a new or modified permit has been issued. Injection into a well may not begin until construction is complete and the permit is approved.

G. Entry and Inspection

The permittee shall allow the Administrator (upon presentation of credentials and during normal working hours) to enter the premises where a regulated facility is located, or where records are kept under the conditions of this permit and inspect and photograph the discharge and related facilities, review and copy reports and records required by this permit, collect fluid samples for analysis, measure and record water levels, and perform any other function authorized by law or regulation.

H. Environmental Monitoring Program for Groundwaters of the State

General Requirements:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. A groundwater sample is considered representative of the aquifer being monitored when the well has been purged to remove stagnant water prior to collection of a sample for laboratory analysis. Purging can be considered complete when a sufficient volume of water has been removed from the well and stabilization of select groundwater parameters has been achieved. It is important to record the circumstances surrounding each sample collection event at your facility. These records can help resolve analytical discrepancies. One or both purging methods below shall be used prior to sample collection:

a. Purge by Volume Method

Removal of a *minimum* of three casing volumes of water from the well should be completed prior to collecting a groundwater sample. Minimum purge volume can be calculated by the following equation:

$$\text{Minimum Purge Volume} = 3 * ((\text{Total Well Depth in feet} - \text{Depth to Water in feet}) * \text{Well Capacity})$$

Where Well Capacity (gallons per foot) is based on well diameter:

2 inch well = 0.163	6 inch well = 1.47
4 inch well = 0.653	8 inch well = 2.61

b. Stabilization of Parameters Method

Purging of groundwater until select field parameters have stabilized can be used to demonstrate that a representative sample was collected. Field parameters measured during purging should include at a minimum temperature, pH, and specific conductance. Field parameters should be measured after removal of every half casing volume of water.

Half Casing Volume

$$= 0.5 * ((\text{Total Well Depth in feet} - \text{Depth to Water in feet}) * \text{Well Capacity})$$

Where Well Capacity (gallons per foot) is based on well diameter:

2 inch well = 0.163

6 inch well = 1.47

4 inch well = 0.653

8 inch well = 2.61

A minimum of six (6) parameter measurements should be collected. If field parameters have not stabilized between the last three readings, purging and parameter measurement should continue until stabilization has been achieved. Stabilization can be demonstrated by a variance of no more than +/- 10% for temperature and specific conductance, and +/- 0.2 standard units for pH.

2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.
3. The permittee shall use electronic data deliverable (EDD) reporting when required by the Administrator.
4. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The initials or name(s) of the individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The time(s) analyses were initiated;
 - e. The initials or name(s) of the individual(s) who performed the analyses;
 - f. References and written procedures for the analytical techniques or methods used;
 - g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.
5. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
6. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment

procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.

7. The permittee shall report any noncompliance which may endanger health or the environment within 24 hours from the time the operator becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state;
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the state;
 - c. A written submission shall be provided within five (5) days of the time the operator becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
8. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted.
9. The monitoring reports shall be submitted on forms provided by the Department. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than forty-five (45) days following each schedule date.

Continued on next page

I. Requirements for Monitoring Groundwaters of the State

The groundwater in the receiving formation shall be sampled and the following parameters analyzed according to the schedule identified in **Table 3**. The following parameters shall be analyzed semi-annually and reported annually:

Table 3 (Annual Groundwater Monitoring Schedule)

WELL NAME OR NUMBER	SAMPLING SCHEDULE	PARAMETER ANALYZED	EPA METHOD	STANDARD METHOD	PERMIT LIMIT or UCL	HOLD TIME & TEMPERATURE
Public Supply Well, AND The monitoring well named "SAS Number 1"	Semi-Annually (January-June and July-December)	Ammonia as N	350.1	SM 4500-NH3	0.50 mg/L	28 days / 4° C
		Nitrate-Nitrite as N	300.0; 353.1; 353.2; or 353.3	4500-NO3 or 4110	10 mg/L	28 days / 4° C
		Chloride	300.0; 300.1; or 353.2	4110 B, 4140 B, or 4500-Cl	250 mg/L	28 days / no specified temperature
		pH (standard units; s.u.)	150.1 or 150.2	4500-H+B	6.5-8.5 s.u.	Measure in the field at time of sample collection.
		Total Coliform ²	presence/absence test	9221 or 9222	Absent	24 hours / 4° C
	Only when Total Coliform is positive	E. Coli	1103.1	9223	0 colonies/100mL	6 hours / 4° C
	Monthly	Total volume	Flow meter reading		6,900 gpd	N/A
Septic Tank ³	Annually	Sludge depth in tank (ft)	Visual		2 feet	N/A
Grease Trap ³	Annually	Sludge depth in trap (inches)	Visual		6 inches	N/A

NOTES:

¹ All applicable chemical concentrations in this permit are expressed as total (not dissolved) in mg/L unless otherwise noted.

² A positive test for the presence of Total Coliform may require a follow-on test to determine the concentration and specific type of bacteria in the water.

³ The septic tank(s) and grease trap(s) serving Hatchet Resort are to be inspected annually at a minimum, and must be pumped as necessary based on sludge depth at bottom of the septic tank or grease trap, and at least once every five years. A copy of the invoice for pumping the tanks and/or grease trap is to be included with the annual report. Sludge depth is not to exceed 24 inches in the septic tanks and 6 inches in the grease traps.

All annual reports are to be submitted within forty-five (45) days of the last day of each year (February 15th).

The upper control limit (UCL) in **Table 3** cannot be exceeded in any sample. Exceedance of this value is a violation of this permit and shall require notification under Section K of this permit. If the UCL is exceeded in a sample, additional monitoring wells may be required to determine whether groundwater has been impacted and to delineate the nature and extent of any contamination resulting from operation of the permitted facility.

J. Test Procedures

All samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. All samples taken shall include a trip blank of distilled water for each sampling date and a duplicate sample at least once per year. All required analyses shall be conducted in compliance with Wyoming Water Quality Rules and Regulations, Chapter 8, Section 7.

K. Records and Reports

The permittee shall furnish to the Administrator within a specified time any information which the Administrator may request relating to the operation of the facility, including copies of records required to be kept by this permit. The permittee shall retain copies of all records and reports required by this permit for a period of three (3) years following permanent well abandonment. After that time, those records shall be delivered to the Administrator for disposal or archive at his discretion. Confirmed noncompliance resulting in the migration of injected fluid into any zone outside the permitted receiver shall be reported to the Administrator within twenty-four (24) hours, and a written submission (via certified mail) shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written submission shall contain: a description of the noncompliance; the period of noncompliance, including exact dates and times, and if the noncompliance has not been controlled, the anticipated time it is expected to continue; and a list of the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance. Confirmed noncompliance not already reported under this section shall be reported at the time monitoring reports are submitted. The reports shall contain the same information as required by the paragraph above. The permittee shall notify the Administrator thirty (30) days in advance of any planned alteration, conversion, or abandonment of the well covered by this permit.

L. Permit Actions

This permit is authorized for a period of ten (10) years. If the permittee wishes to continue injection after the expiration date of this permit he shall apply to the Administrator and obtain a new permit. The application should be submitted at least 180 days before the expiration date of this permit. Under this permit, the Department may consider injection after the expiration date a violation of the permit.

It shall not be a defense for the permittee in an enforcement action that it would be necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. The filing of a request by the permittee, or at the instigation of the Administrator, for permit modification, revocation, termination, or notification of planned changes or anticipated noncompliance shall not stay any condition of this permit.

After notice and opportunity for a hearing, a permit may be modified, suspended or revoked in whole or part during its term for cause which includes, but is not limited to any of the following:

1. Violation of this permit; or
2. Obtaining a permit by misrepresentation of facts in the application.

This permit will be reviewed at least once every five (5) years, and may be reviewed more frequently. A permit may be modified at any time as may be required, including for conformity with changes in regulations or standards which occur after the permit was issued. A permit may be modified in whole or part in order to apply more or less stringent standards; or prohibitions for toxic or other substances present in the permittees discharge as may be ordered by the Environmental Quality Council.

M. Abandonment

General Requirements:

1. The permittee shall notify the administrator at least thirty (30) days prior to abandonment of the facility.
2. An abandonment report, detailing the compliance with abandonment procedures outlined in the original application for coverage under this permit, or describing any deviations from the original plan, shall be submitted as soon as practicable after abandonment. The abandonment shall include reclamation of the well site.
3. Injection wells covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 16, Section 12.

N. Duties of the Permittee

The permittee shall give advance notice to the Administrator as soon as possible of any planned physical alteration or additions, other than authorized operation and maintenance, to the permitted facility and receive authorization prior to implementing the proposed alternation or addition. The permittee shall furnish the Administrator within a reasonable time any information which the Administrator may request to determine whether cause exists for modifying, revoking, or reissuing, or terminating this permit, or to determine compliance with this permit; and to furnish to the Administrator upon request, copies of records required to be kept by this permit. Any modification which may result in a violation of a permit condition shall be reported to the Administrator, and any modification that will result in a violation of any permit conditions shall be reported to the Administrator through the submission of a new or amended permit application. The permittee shall report all instances where he becomes aware that he failed to submit any relevant facts in the permit application, or where he submitted incorrect information in a permit application or in any report to the Administrator, and shall promptly submit such facts or information.

If any cultural materials are discovered during construction, work in the area should halt immediately. The Administrator and the Wyoming State Historic Preservation Office shall be contacted (777-7697) and the materials shall be evaluated by an archaeologist or historian meeting the Secretary of the Interior's Professional Qualification Standards (48 FR 22716, Sept. 1983).

O. Signatories Requirement

All reports filed in conjunction with this permit shall contain the following certification:

"I certify, under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

All reports required by this permit and other requested information shall be signed as follows:

For a corporation – by a principal executive officer of at least the level of vice-president;

For a partnership or sole proprietorship – by a general partner or the proprietor, respectively;

For a municipality, state, federal, or other public agency – by either a principal executive officer or ranking elected official; or

By a duly authorized representative for any of the above. A person is a duly authorized representative only if:

1. The authorization is made in writing by one of the prescribed principals;
2. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility or activity; and
3. The written authorization is submitted to the Administrator.

If an authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Administrator prior to or together with any reports or information, to be signed by the new authorized representative.

P. Noncompliance

The permittee shall comply with all conditions of the permit. Any permit noncompliance constitutes a violation of Wyoming Water Quality Rules and Regulations, Chapter 16 and is grounds for enforcement action, permit termination, revocation, or modification. Conformed noncompliance resulting in an excursion shall be reported to the Administrator orally within twenty-four (24) hours, and a written submission shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written report shall contain the sections specified in Section K of this permit. Any permit noncompliance constitutes a violation of this permit.

The filing of any request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

Q. Permit Transfer

Any transfer of this permit shall be accomplished by the submission of the proper forms for permit transfer to the Administrator. Transfer of this permit must first be approved by the Administrator and the Director. No transfer shall be approved unless the proposed permittee agrees to bring any and all noncompliance issues into compliance with this permit. The permittee is alone responsible for the operation of the facility covered by this permit. Sale of the facility and subsequent operation of this facility by another is a violation of this permit unless a transfer of this permit has first been accomplished.

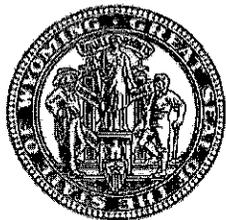
R. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege. This permit does not authorize injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

S. Severability

Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation.

END OF PERMIT



Department of Environmental Quality



To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

September 24, 2012

Amy Butler
520 Topaz Street
Suite 109
Kemmerer, WY 83101

Kent Connelly
921 Sage Avenue
Kemmerer, WY 83101

RE: Lincoln County Justice Center at Kemmerer - Water and Sewer Main Extensions - Permit Number 12-313, SW ¼ Section 15, T21N, R116W, Lincoln County

Dear Ms. Butler and Mr. Connelly:

The above application for coverage under General Permit to Construct for the extension of a Public Water Supply System consisting of about 714 linear feet (LF) of 8-inch PVC water main and the extension of a Public Sewage Collection System consisting of about 302 LF of 4-inch, 268 LF of 6-inch and 204 LF of 8-inch sewer main in accordance with Chapter 3, Section 7, Chapter 12, Section 14 and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at :

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

If you have any questions, please contact me at 307-332-3144.

Sincerely,

Mark Baron, P.E.
Southwest District Engineer
Water Quality Division

PDF to Cheyenne, Kelly Hoopes, P.E., Horrocks Engineers, 2162 W Grove Parkway, Suite 400, Pleasant Gove, UT 84062
Griffin M. Johnson, Fundamentals Lincoln, LLC, 5132 N 300 W, #270, Provo, UT 84064

Page 1 of 1

Lander Field Office • 510 Meadowview Drive • Lander, WY 82520 • <http://deq.state.wy.us>

ABANDONED MINES
(307) 332-5086
FAX 332-7726

AIR QUALITY
(307) 332-6755
FAX 332-7726

LAND QUALITY
(307) 332-3047
FAX 332-7726

SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

WATER QUALITY
(307) 332-3144
FAX 332-7726



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 12-314

New _____
Renewal _____
Modified X

Former Altas "D" Missile Site 2

This permit hereby authorizes the applicant:

US Army Corps of Engineers
Attn: Mr. Jeffery A. Skog
CENWO-PM-H
1616 Capitol Avenue, Suite 9000
Omaha, NE 68102-4901

to construct, install or modify 2 monitoring wells (FEW2-MW116 & MW117) in shallow zone of TCE plume according to the procedures and conditions of the application number 12-314. The facility is located in SWSE of Sec 34; T17N; R65W in the county of Laramie, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2012.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, Water Quality Division, to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Pollution Control Office, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 1 of 7 The applicant will provide immediate oral or written notice to the DEQ/WQD Groundwater Pollution Control Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 7 No monitoring well/piezometer shall be abandoned without prior approval from the Water Quality Division. After the monitoring well(s)/piezometer(s) have fulfilled their purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with City and/or Highway Department requirements.
- 3 of 7 WDEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of monitor well(s)/piezometer(s) and sample collection so that they may be on site if deemed necessary.
- 4 of 7 The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).
- 5 of 7 The results of any other analyses conducted on soil or water removed from these wells/piezometers or boreholes shall be provided to the department as soon as they are available.
- 6 of 7 Environmental Monitoring Program for Groundwater of the State:
 - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity and performed in accordance with WDEQ or EPA approved Standard Procedures or Quality Assurance/Quality Control (QA/QC) Plan.
 - b. The permittee shall maintain records of all monitoring information for a period of at least 3 years.
 - c. Records of monitoring information shall include:
 - i. The date, exact place, and time of sampling or measurements;
 - ii. The name(s) of individual(s) who performed the sampling or measurements;
 - iii. The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing;
 - iv. Sampling procedures and sample preservation accomplished;
 - v. The date(s) analyses were performed;
 - vi. Names of individuals who performed the analyses;
 - vii. The analytical techniques or methods used;
 - viii. The results of such analyses, and;

ix.

Monitor wells shall be sampled and the groundwater analyzed as indicated on the following table:

WELL NAME OR NUMBER	SAMPLING FREQUENCY	ANALYTICAL METHOD(S)	PARAMETER(S) ANALYZED	PERMIT LIMIT*
FEW2-MW101 through MW117 FEW2-MW201 through MW213 FEW2-MW301 through MW311 FEW2-MW401 through MW408	Initially after well completion, the TBD	EPA Method 8260B	TCE	5

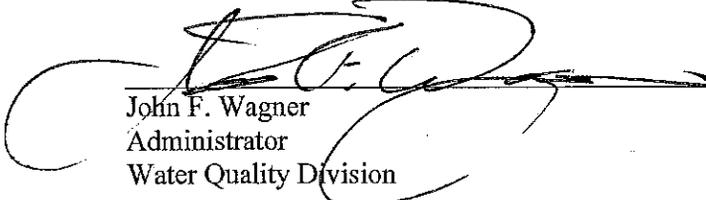
*Permit Limits (i.e. Groundwater Protection Standards) are only required for compliance monitoring wells. All chemical concentrations in this permit are expressed in $\mu\text{g}/\text{l}$ unless otherwise noted.

7 of 7 The results of these analyses shall be submitted to the Cheyenne office at the following address: Groundwater Pollution Control Office, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002 by the last day of the month following the end of each reporting period. The first set of results are due no later than January 1, 2013.

AUTHORIZED BY:



John Corra
Director
Department of Environmental



John F. Wagner
Administrator
Water Quality Division

8-7-12

Date of Issuance

ADN/rm/12-0713

STATEMENT OF BASIS FOR A UIC PERMIT

I. General information.

- A. Permit Number: 12-314
- B. Facilities Covered: Former Atlas "D" Missile Site 2

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section)

- | | | | |
|---------------|-----|---------------|----|
| A. Chapter 8 | Yes | D. Chapter 12 | No |
| B. Chapter 9 | No | E. Chapter 13 | No |
| C. Chapter 11 | Yes | F. Chapter 16 | No |

III. Basis for issuing permit (Indicate yes or no for each section).

- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes. However, USACE is unwilling to sign the permit applications due to CERCLA guidance stating that they do not have to get permits, just meet the substantive requirements.

- B. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation).

Not Applicable

- V. Application requires review to determine groundwater impacts in accordance with Wyoming Water Quality Rules and Regulations, Chapter 3, Section 17. Note that sediment ponds, public water supplies, sewerage systems, and small wastewater systems are exempt from the requirements of Section 17. (Indicate either applicable or not applicable. If not applicable delete all of section VI from the Statement of Basis).

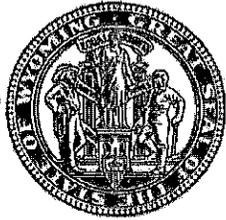
Not Applicable

VI. Documentation of Statement of Basis.

- A. The archive file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Wyoming Water Quality Rules and Regulations, Chapter 11, Part G. This review was performed by Adrienne D. Nunn P.E., Project Engineer, and completed on August 6, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis".



Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.



Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 29, 2012

Robin Rhodes
Town of Bear River
81 Elk Drive
Bear River, WY 82930

RE: Bear River - Bear River Regional Joint Powers Board - Water System Looping Project
Permit Number 12-315, N 1/2 Section 1, T16N, R121W, Uinta County

Dear Mr. Rhodes:

The above application for coverage under General Permit to Construct the extension of a **Public Water Supply System** consisting of about 5700 linear feet (LF) of 8-inch PVC water main in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at :

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

If you have any questions, please contact me at 307-332-3144.

Sincerely,

Mark Baron, P.E.
Southwest District Engineer
Water Quality Division

PDF to Cheyenne
Bart Jensen, P.E., Cook-Sanders Associates, Inc., 105 Yellow Creek Rd., Evanston, WY 82930

Page 1 of 1

Lander Field Office • 510 Meadowview Drive • Lander, WY 82520 • <http://deq.state.wy.us>

ABANDONED MINES
(307) 332-5085
FAX 332-7726

AIR QUALITY
(307) 332-6755
FAX 332-7726

LAND QUALITY
(307) 332-3047
FAX 332-7726

SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

WATER QUALITY
(307) 332-3144
FAX 332-7726



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 12-316

Town of Marbleton - Septage Receiving Station

This permit hereby authorizes the applicant:

Jim Robinson
Town of Marbleton
10700 Hwy 189
Marbleton, WY 83113

to construct a septage receiving station consisting of a receiving manhole, a grinder, a 6,500 gallon septage storage vault and a automatic plug valve according to the procedures and conditions of the application number 12-316. The facility is located about 1.75 miles northeast of the Town of Marbleton, within the SW ¼ Section 17, T30N, R111W in the county of Sublette, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by September 5, 2014.

The issuance of this permit confirms that the Wyoming Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and operator.

Granting this permit does not imply that DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by Wyoming statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the State of Wyoming does not waive its sovereign immunity.

The permittee shall allow authorized representatives from DEQ to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations.

It is the duty of the permittee, owner and operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

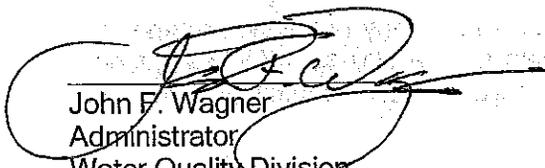
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

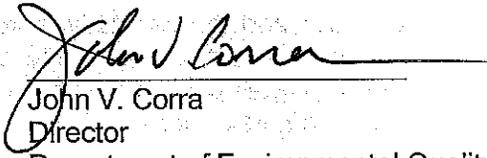
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
- a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

9-17-12
Date of Issuance

MDB/rm/12-0832

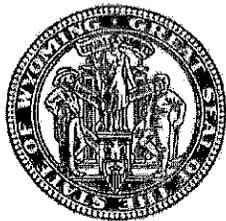
STATEMENT OF BASIS

1. Permit Number: 12-316
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 11.
3. Does the permit comply with all applicable regulations identified above? Yes.
4. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Not Required.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Mark D. Baron, P.E., Southwest District Engineer, mark.baron@wyo.gov, and completed on September 5, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."

cc: Travis Higby, P.E., Forsgren Associates, Inc., 370 East 500 South, Suite 200, Salt Lake City, UT 84111



Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.



Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 15, 2012

Jake Hamon, Mayor
Town of Hudson
P.O. Box 56
Hudson, WY 82515

RE: Town of Hudson Main Street Water Line Replacement
DEQ Permit #12-318
Located in Fremont County, W ½. S21. T34N, R98W; Lat. 42.937778°, Long. 108.583333°

Dear Mr. Hamon,

This project consists of the installation of new water lines and alleys on both sides of Main Street, and the abandonment of in-Place waterline running under Main Street/Highway 789.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 12 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

You are authorized to construct, the facility in accordance with the the materials submitted in your application package and the General Permit to Construct, Install, Modify or Operate Extensions to or Modification to Existing Public Water Supply Distribution Systems. Construction shall be completed by October 31, 2014

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project.

These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

If you have any questions, please contact Hannes Stueckler at 307-335-6964 or James Brough at 307-335-6961.

Lander Field Office • 510 Meadowview Drive • Lander, WY 82520 • <http://deq.state.wy.us>

ABANDONED MINES
(307) 332-5085
FAX 332-7726

AIR QUALITY
(307) 332-6755
FAX 332-7726

LAND QUALITY
(307) 332-3047
FAX 332-7726

SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

WATER QUALITY
(307) 332-3144
FAX 332-7726



Sincerely,



Hannes E. Stueckler, P.E.
Assistant Northwest District Engineer
Water Quality Division

xc: PDF to Cheyenne
Calvin R. Twiford PE, Inberg-Miller Engineers, 124 E. Main St., Riverton, WY 82501



Department of Environmental Quality

To protect, conserve, and enhance the quality of Wyoming's environment for the benefit of current and future generations.



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 • Casper, WY 82601 • (307) 473-3450

John Corra, Director

August 22, 2012

Chairman
Campbell County Board of Commissioners
500 South Gillette Ave, Suite 212
Gillette, WY 82716

RE: Resubdivision of Lot 3 – Glennview Subdivision, WDEQ Application 12-319
Wyoming DEQ has - **NO ADVERSE** - Recommendations

Dear Commissioners:

The Wyoming Department of Environmental Quality has completed the review of the proposed Resubdivision of Lot 3 – Glennview Subdivision, located in the northeast quarter of Section 3, Township 43 North, Range 72 West, Campbell County, approximately $\frac{3}{4}$ of a mile south of the Town of Wright, Wyoming. The information was submitted by Wester-Wetstein and Associates, Inc., and signed by John Wetstein, P.E./P.G., a Wyoming Licensed Professional Engineer and Professional Geologist. This letter represents the recommendations of the Wyoming Department of Environmental Quality as required by W.S. §18-5-306 (c).

Findings as to the safety and adequacy of the proposed sewage system:

The proposed sewage system is the use of individual on-site septic tanks and leach fields permitted and constructed to Campbell County and the Wyoming Department of Environmental Quality Water Quality Rules and Regulations. The information submitted addresses the safety and adequacy of the proposed sewage system **provided that** the statements indicated in the “Notes required to be added to the final plat” section below are added to all pertinent documents.

Findings as to the safety and adequacy of the proposed water system:

The proposed water system is to connect on to the Town of Wright water supply system which is operated by the Wright Water and Sewer District. The District’s operator, Ralph Kingan, has signed the application form, indicating the District’s knowledge and willingness to supply water to the development. The consultant has further provided information that demonstrates the safety and adequacy of the existing water supply. WDEQ has reviewed the information submitted and is satisfied that the proposed connection to the existing water system is feasible. A separate Permit to Construct will be required from Campbell County prior to construction of any portion of the water system.

Notes required to be added to the final plat, and other pertinent documents:

1. Due to the varying soils found in this area (sands and shales), site specific investigation **must** be performed during the designing and planning of any septic system. Additional percolation tests and an excavation pit will be required for each septic system proposed.



State Engineer's Office (SEO) Comments:

The State Engineer's Office (SEO) has provided comments pertaining to this proposed subdivision. These comments are attached to this document.

Conclusions:

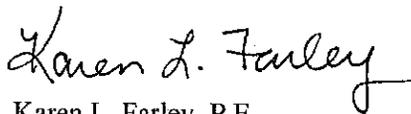
The Wyoming Department of Environmental Quality has "No Adverse" recommendations applicable to the Resubdivision of Lot 3 – Glennview Subdivision.

Disclaimer:

The Non-Adverse recommendation provided above has nothing to do with, nor has any bearing on the water rights associated with the Resubdivision of Lot 3 – Glennview Subdivision. Any questions or concerns about the water rights for the Resubdivision of Lot 3 – Glennview Subdivision should be directed to the State Engineer's Office.

Nothing in Wyoming Department of Environmental Quality recommendations or comments regarding the Wester-Wetstein and Associates, Inc. proposal for the Resubdivision of Lot 3 – Glennview Subdivision shall be construed to relieve Mickey Glenn, the developer, of the obligation to obtain any permits or additional approval from any local, state, or federal agencies as required by law, rules, regulations, or ordinances. Nothing in these recommendations commits the Wyoming Department of Environmental Quality or Campbell County to the issuance of required permits for construction, operation, or modification of septic systems or water supply.

Sincerely,



Karen L. Farley, P.E.

Northeast District Supervisor

Water and Wastewater Program, Wyoming Water Quality Division

Enc: SEO comments

cc: Mickey Glenn, 2911 Grandview Drive, Gillette, WY 82718
John Wetstein, P.E./P.G., Wester-Wetstein and Associates, Inc., P.O. Box 2202, Laramie, WY 82073
Ralph Kingan, WWSD, P.O. Box 549, Wright, WY 82732
Campbell County Planning Office, 500 S. Gillette Ave., Suite 1500, Gillette, WY 82716
WDEQ Subdivision file, (IPS) Cheyenne



State Engineer's Office

HERSCHLER BUILDING, 4-E CHEYENNE, WYOMING 82002
(307) 777-7354 FAX (307) 777-5451
seoleg@seo.wyo.gov

MATTHEW H. MEAD
GOVERNOR

PATRICK TYRRELL
STATE ENGINEER

17
16 August 2012

Karen Farley, P.E., Supervisor
DEQ/WQD/Northeast District
152 North Durbin – Suite 100
Casper, WY 82601

RE: Glennview Subdivision, Campbell County, WDEQ Application #12-319

Dear Ms. Farley:

State Engineer's Office staff has reviewed the referenced submittal in compliance with Wyoming Statute 18-5-306 (c) (i). The subdivision is located within the NE $\frac{1}{4}$ of Section 3, Township 43 North, Range 72 West in Campbell County. The subdivision is to be supplied water by the Town of Wright's water supply system which is operated by the Wright Water and Sewer District, and any waste water is to be treated in on-lot sewerage systems. As a part of our review, a cursory search of the State Engineer's Water Right Records in the area of the subdivision was also conducted. We offer the following comments:

1. More recent Enlargement Permits to the six water supply wells reported as supplying the District in the referenced submittal (U.W. 189673, 189674, 189675, 189676, 189677 & 186050) confirm that these subdivision lands lay inside the currently recognized service area for these wells.
2. However, these wells also have Additional Conditions and Limitations attached to their Permits, which include an annual water use report be submitted to the State Engineer no later than February 15th of each year. The last report received covered calendar year 2010. A notation attached to this report documents a January 2012 phone call from the operator (Ralph Kingan) noting a storage tank floor failure had delayed some of the required tests.

Conditioned on addressing item 2 above, the State Engineers Office would be supportive of approving the development of the proposed subdivision. Also be advised that any number of events could occur at some point in the future, which may preclude the State Engineer from issuing new permits for activities of this type.

In all correspondence regarding this submittal please reference State Engineer's Office, Subdivision Review Number 2012-34-9. If you have any questions, please feel free to contact me at (307) 777-6166, or if you prefer email my address is mike.ebsen@wyo.gov.

Sincerely,

A handwritten signature in black ink that reads "Mike Ebsen".

Mike Ebsen
Cooperative Programs Coordinator

Surface Water
(307) 777-6475

Ground Water
(307) 777-6163

Board of Control
(307) 777-6178

Cc: Rich Cripe, DEQ-WQD, Environmental Program Manager
Carmine LoGuidice, Superintendent, Water Division Number II
Kody Steinbrecher, Hydrographer-Commissioner, Water District Number 1
John Barnes, Administrator, Surface Water Division
Lisa Lindemann, Administrator, Ground Water Division
Allan Cunningham, Adjudication Officer, Board of Control Division
Campbell County Planning Office, P.O. Box 194, Gillette, WY 82717
Mickey Glenn, 2911 Grandview Drive, Gillette, WY 82718
John Wetstein, P.E., Wester-Wetstein & Associates, Inc., P.O. Box 2202, Laramie, WY 82073
Ralph Kingan, Wright Water and Sewer District, P.O. Box 549, Wright, WY 82732

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 12-320

New _____
Renewal _____
Modified X

Wyoming Air National Guard Site 4 Additional Monitoring Wells

This permit hereby authorizes the applicant:

Wyoming Air National Guard
217 Dell Range Blvd
Cheyenne, WY 82009

to construct, install or modify 4 monitoring wells (2 nested) according to the procedures and conditions of the application number 12-320. The facility is located in S 19,30; T14N; R66W in the county of Laramie, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by June 30, 2013.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, Water Quality Division, to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Pollution Control Office, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 1 of 7 The applicant will provide immediate oral or written notice to the DEQ/WQD Groundwater Pollution Control Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 7 No monitoring well/piezometer shall be abandoned without prior approval from the Water Quality Division. After the monitoring well(s)/piezometer(s) have fulfilled their purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with City and/or Highway Department requirements.
- 3 of 7 WDEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of monitor well(s)/piezometer(s) and sample collection so that they may be on site if deemed necessary.
- 4 of 7 The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).
- 5 of 7 The results of any other analyses conducted on soil or water removed from these wells/piezometers or boreholes shall be provided to the department as soon as they are available.
- 6 of 7 Environmental Monitoring Program for Groundwater of the State:
 - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity and performed in accordance with WDEQ or EPA approved Standard Procedures or Quality Assurance/Quality Control (QA/QC) Plan.
 - b. The permittee shall maintain records of all monitoring information for a period of at least 3 years.
 - c. Records of monitoring information shall include:
 - i. The date, exact place, and time of sampling or measurements;
 - ii. The name(s) of individual(s) who performed the sampling or measurements;
 - iii. The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing;
 - iv. Sampling procedures and sample preservation accomplished;
 - v. The date(s) analyses were performed;
 - vi. Names of individuals who performed the analyses;
 - vii. The analytical techniques or methods used;
 - viii. The results of such analyses, and;
 - ix. Monitor wells shall be sampled and the groundwater analyzed as indicated on the following table:

WELL NAME OR NUMBER	SAMPLING FREQUENCY	ANALYTICAL METHOD(S)	PARAMETER(S) ANALYZED	PERMIT LIMIT*
4-MW1 through 4-MW75**	As specified in the work plan	As specified in the work plan	TCE and CCl ₄	5
PZ-8 through PZ-10**				

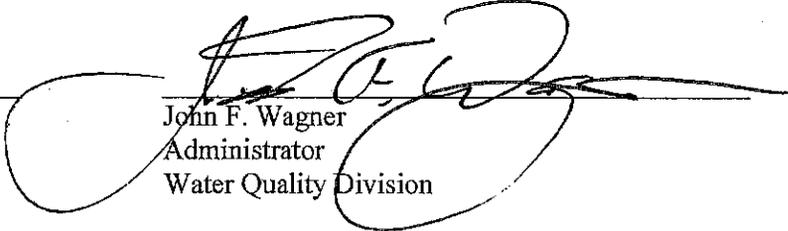
*Permit Limits (i.e. Groundwater Protection Standards) are only required for compliance monitoring wells. All chemical concentrations in this permit are expressed in µg/l unless otherwise noted.

**Includes nested wells with A and B nomenclature

7 of 7 The results of these analyses shall be submitted to the Cheyenne office at the following address: Groundwater Pollution Control Office, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002 by the last day of the month following the end of each reporting period.

AUTHORIZED BY:


 John Corra
 Director
 Department of Environmental


 John F. Wagner
 Administrator
 Water Quality Division

8-9-12
 Date of Issuance

ADN/rm/12-0731

STATEMENT OF BASIS FOR A PERMIT TO CONSTRUCT

I. General information.

- A. Permit Number: **12-320**
- B. Facilities Covered: **Wyoming Air National Guard Monitoring Wells**

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section)

- | | | | |
|---------------|-----|---------------|----|
| A. Chapter 8 | Yes | D. Chapter 12 | No |
| B. Chapter 9 | No | E. Chapter 13 | No |
| C. Chapter 11 | Yes | F. Chapter 16 | No |

III. Basis for issuing permit (Indicate yes or no for each section).

- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
Yes
- B. Permit based on deviation from applicable regulations in accordance with approved policy statement.
No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation).

Not Applicable

V. Application requires review to determine groundwater impacts in accordance with Wyoming Water Quality Rules and Regulations, Chapter 3, Section 17. Note that sediment ponds, public water supplies, sewerage systems, and small wastewater systems are exempt from the requirements of Section 17. (Indicate either applicable or not applicable. If not applicable delete all of section VI from the Statement of Basis).

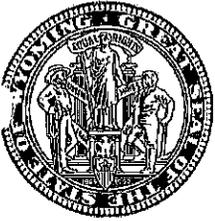
Not Applicable

VI. Documentation of Statement of Basis.

- A. The archive file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Wyoming Water Quality Rules and Regulations, Chapter 11, Part G. This review was performed by Adrienne D. Nunn P.E., Project Engineer, and completed on August 8, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis".



Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.



Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

September 21, 2012

Denis H. Carroll Irrevocable Trust II

Attn: Denis H. Carroll, Trustee
500 Lake Cook Road, STE 200
Deerfield, IL 60015

RE: Carroll Residential Septic System,
Application No. 12-321, Carbon County

Dear Mr. Carroll:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate a **Small Wastewater Facility** consisting of a 1000 gallon, two compartment concrete septic tank discharging into about 90 feet of chamber type trench leachfield divided into two equal length trenches of at least 11 *Infiltrator* brand, Quick4 Standard model chamber units each, for a 3 bedroom home, located in the **NE $\frac{1}{4}$ Section 18, T17N, R83W, Carbon County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with **Chapter 25** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **September 21, 2014**.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

ADMIN/OUTREACH
(307) 777-7758
FAX 777-7682

ABANDONED MINES
(307) 777-6145
FAX 777-6462

AIR QUALITY
(307) 777-7391
FAX 777-5616

INDUSTRIAL Siting
(307) 777-7369
FAX 777-5937

LAND QUALITY
(307) 777-7766
FAX 777-5864

SOLID & HAZ. WASTE
(307) 777-7762
FAX 777-5973

WATER QUALITY
(307) 777-7781
FAX 777-5973



Please reference Application No. 12-321 in any future correspondence.

If you have any questions, please contact me at either ron.ewald@wyo.gov or by phone at (307) 777-6183.

Sincerely,



Ronald L. Ewald
Assistant Southeast District Engineer
Southeast District, Water & Wastewater Section
Water Quality Division

RLE/rm/12-0872

Enclosures: Certificate of Completion

cc: IPS, Cheyenne
Kent Smith, P.E., Box 684, Saratoga, Wyoming 82331
Kristy Rowan, Carbon County Planning Office, Carbon Building, 215 West Buffalo
Street, Suite 336, Rawlins, Wyoming 82301



Department of Environmental Quality

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environment for the benefit of current and future generations.*



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 • Casper, WY 82601 • (307) 473-3450

John Corra, Director

NOTIFICATION OF COVERAGE

August 14, 2012

Jessica Seders
Gillette College
300 West Sinclair Street
Gillette, WY 82718

RE: Gillette College Rodeo Ag Complex Small Wastewater System
Application No. 12-322, Campbell County

Dear Ms. Seders:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,500 gallon J&D Precast concrete septic tank and dosing system discharging into eight Biodiffuser Arc 36 chamber trenches of approximately 50 feet each, for a facility located in the NW ¼, Section 32, Township 50N, Range 71W, Campbell County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2014.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Additionally, the following permit condition applies:

1. Flow-divider tees or a distribution box is required to evenly split flow between trenches. Standard tees are not an adequate substitute for flow-dividing tees.
2. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.
Assistant NE District Engineer
WDEQ/WQD

cc: IPS, Cheyenne
WDEQ Casper File
Keith Bowar, Campbell County Public Works, 500 South Gillette Avenue, Suite 1500, Gillette, WY 82716
Mark Westenskow, P.E., CTA, Inc., 121 South Main Street, Livingston, MT 59047

Cheyenne
122 West 25th Street 82002
(307) 777-7937

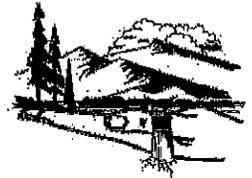
Lander
510 Meadowview Drive 82520
(307) 332-3144

Sheridan
2100 W. 5th Street 82801
(307) 673-9337





Department of Environmental Quality



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Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

November 1, 2012

Phillip Smith
Town of Big Piney
P.O. Box 70
Big Piney, WY 83113

RE: Big Piney - Budd Avenue - Water and Wastewater Reuse Main Extensions - Permit Number 12-323, SE ¼ Section 31, T30N,R111W,Sublette County

Dear Mayor Smith:

The above application for coverage under **General Permit to Construct** for the extension of a **Public Water Supply System** consisting of about 3000 linear feet (LF) of 8-inch and 2400 LF of 6-inch and 60 LF of 4-inch PVC water main and the extension of a **Public Sewage Wastewater Reuse System** consisting of about 1800 LF of 6-inch PVC reuse main in accordance with Chapter 3, Section 7, Chapter 12, Section 14 and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facilities in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

If you have any questions, please contact me at 307-332-3144.

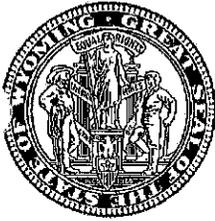
Sincerely,

Mark Baron, P.E.
Southwest District Engineer
Water Quality Division

PDF to Cheyenne

Dennis Shay Smith, P.E., Forsgren Associates Inc., 849 Front Street, Suite 201, Evanston, WY 82930





Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

September 19, 2012

Debra A. Prow
P.O. Box 36
Elk Mountain, WY 82324

RE: OH Ranch House Septic System
Application No. 12-324, Carbon County

Dear Ms. Prow:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate a commercial **Small Wastewater Facility** consisting of a 1000 gallon, two compartment, concrete septic tank discharging into about 120 feet of chamber type trench leachfield divided into two equal length trenches of at least 14 Infiltrator brand, Quick4 Standard model chamber units each, for a 3 bedroom home, located in the N½ S½, of Section 35, T20N, R81W, Carbon County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **September 19, 2014**.

The following project specific conditions also apply:

1. Septic Tank Riser Requirement - either a 6" diameter riser or the manway from each compartment of the septic tank shall be extended to the ground surface.
2. Leachfield Layout Requirement – Perpendicular to Slope - the proposed two trench leachfield layout is running with (parallel) the slope. With trenches approximately 61 feet long, at 3% slope, there will be about a 22" elevation drop, making it impossible to maintain 3 foot deep level trenches along the entire length of the trench. Therefore, trench layout shall be rotated 90 degrees to run across (perpendicular to) the slope. Your site plan indicates that you have plenty of room to do this. To illustrate this requirement a **drawing titled "Condition #2" is included** with this notification.

Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

ADMIN/OUTREACH (307) 777-7758 FAX 777-7692	ABANDONED MINES (307) 777-6146 FAX 777-6492	AIR QUALITY (307) 777-7301 FAX 777-6816	INDUSTRIAL SITING (307) 777-7389 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-6864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-6973	WATER QUALITY (307) 777-7781 FAX 777-6973
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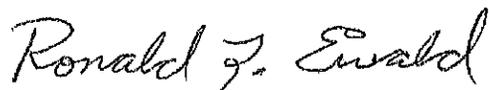
This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Please reference Application No. **12-324** in any future correspondence.

If you have any questions, please contact me at either ron.ewald@wyo.gov or by phone at (307) 777-6183.

Sincerely,

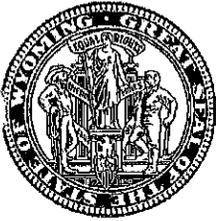


Ronald L. Ewald
Assistant Southeast District Engineer
Southeast District, Water & Wastewater Section
Water Quality Division

RLE/rm/12-0855

Enclosures: Drawing, "Condition #2"
Certificate of Completion

cc: IPS, Cheyenne
Kristy Rowan, Carbon County Planning office, Carbon Building, 215 West Buffalo
Street, Suite 336, Rawlins, Wyoming 82301



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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

September 21, 2012

Randall K. Boykin
P.O. Box 123
Encampment, WY 82325

RE: New Farm/Ranch Shop Septic System,
Application No. 12-325, Carbon County

Dear Mr. Boykin:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility** consisting of a 1000 gallon, two compartment, concrete septic tank discharging into about 53 feet of chamber type single trench leachfield of at least 10 ARC-36 model chamber units, for a 5 person farm/ranch shop, domestic nature septic system, located in the S1/2 NE1/4 of Section 31, T15N, R83W, Carbon County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with **Chapter 25** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **September 21, 2014**.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

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ADMIN/OUTREACH (307) 777-7758 FAX 777-7662	ABANDONED MINES (307) 777-6146 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7309 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5873	WATER QUALITY (307) 777-7781 FAX 777-5973
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Please reference Application No. **12-325** in any future correspondence.

If you have any questions, please contact me at either ron.ewald@wyo.gov or by phone at (307) 777-6183.

Sincerely,

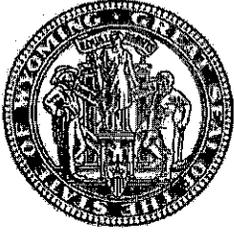


Ronald L. Ewald
Assistant Southeast District Engineer
Southeast District, Water & Wastewater Section
Water Quality Division

RLE/rm/12-0869

Enclosures: Certificate of Completion

cc: IPS, Cheyenne
Kristy Rowan, Carbon County Planning Office, Carbon Building, 215 West Buffalo
Street, Suite 336, Rawlins, Wyoming 82301



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 16, 2012

Gregg Anderson
Sublette County School District No. 1
P.O. Box 549
Pinedale, WY 82941

RE: Pinedale - Pinedale Elementary School -Water Line Project - Permit Number 12-326, S ½ NE ¼ Section 32, T34N, R109W, Sublette County

Dear Mr. Zakotnik:

The above application for coverage under **General Permit to Construct** the extension of a **Public Water Supply System** consisting of about 500 linear feet (LF) of 10-inch ductile iron water main in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at :

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

If you have any questions, please contact me at 307-332-3144.

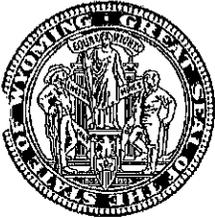
Sincerely,

Mark Baron, P.E.
Southwest District Engineer
Water Quality Division

PDF to Cheyenne
Jason Zakotnik, P.E., WLC Engineering, P.O. Box 1519, Pinedale, WY 82941

Page 1 of 1





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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

September 7, 2012

Phil & Lori Schnabel
2701 Westland Court, #B
Cheyenne, Wyoming 82001

RE: Phil & Lori Schnabel Residential Septic System,
Application No. 12-327, Carbon County

Dear Mr. and Mrs. Schnabel:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility** consisting of a 1500 gallon, two compartment, concrete septic tank discharging into about 160 feet of chamber type trench leachfield divided into two equal length trenches of at least 19 *Infiltrator* brand, Standard Quick4 model chamber units each, for a 3 bedroom home, located in the NE¼, Section 34, T25N, R83W, Carbon County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by September 7, 2014.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path:
http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Please reference Application No. **12-327** in any future correspondence.

If you have any questions, please contact me at either ron.ewald@wyo.gov or by phone at (307) 777-6183.

Sincerely,

Ronald L. Ewald
Assistant Southeast District Engineer
Southeast District, Water & Wastewater Section
Water Quality Division

RLE/rm/12-0809

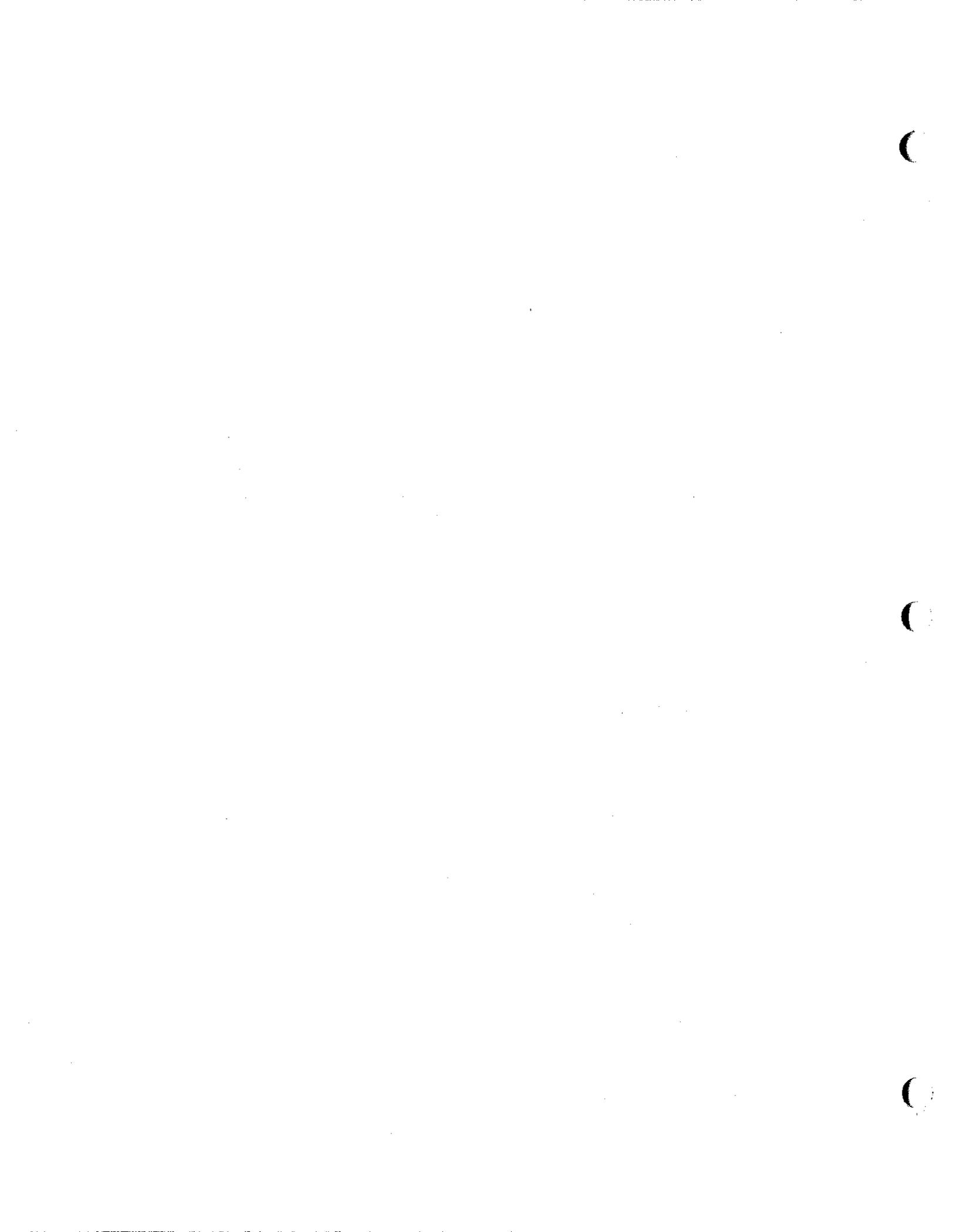
Enclosures: Certificate of Completion

cc: IPS, Cheyenne
Kristy Rowan, Carbon County Planning Office, Carbon Building, 215 West Buffalo Street, Suite 336, Rawlins, Wyoming 82301

Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6146 FAX 777-6482	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7389 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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Department of Environmental Quality

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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

John Corra, Director

NOTIFICATION OF COVERAGE

September 4, 2012

Allen Mills
1315 State Highway 116
Sundance, WY 82729

RE: Mills Small Wastewater System
Application No. 12-328, Crook County

Dear Mr. Mills:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,000 gallon Boom concrete septic tank discharging into two pipe and rock trenches of approximately 95 feet each, for a three bedroom home located in the NW $\frac{1}{4}$, Section 29, Township 49N, Range 63W, Crook County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2014**.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Additionally, the following permit condition applies:

1. Flow-divider tees or a distribution box is required to evenly split flow between trenches. Standard tees are not an adequate substitute for flow-dividing tees.
2. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.
3. A revised site sketch must be submitted to the District Engineer prior to final inspection of the system by Crook County.

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.
Assistant NE District Engineer
WDEQ/WQD

cc: IPS, Cheyenne
WDEQ Casper File
Tim Lyons, Crook County Growth and Development

Cheyenne
122 West 25th Street 82002
(307) 777-7937

Lander
510 Meadowview Drive 82520
(307) 332-3144

Sheridan
2100 W. 5th Street 82801
(307) 673-9337





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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

John Corra, Director

NOTIFICATION OF COVERAGE

August 21, 2012

Mark Stinson
P.O. Box 881
Upton, WY 82730

RE: Stinson Small Wastewater System
Application No. 12-329, Weston County

Dear Mr. Stinson:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of an existing 1,000 gallon concrete septic tank discharging into two trenches of eleven Biodiffuser ARC 36 chambers each, for a two bedroom home and shop located in the NW ¼, **Section 7, Township 45N, Range 64W**, Weston County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with **Chapter 25** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2014.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Additionally, the following permit condition applies:

1. Flow-divider tees or a distribution box is required to evenly split flow between trenches. Standard tees are not an adequate substitute for flow-dividing tees.
2. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.
Assistant NE District Engineer
WDBQ/WQD

cc: IPS, Cheyenne
WDBQ Casper File
Weston County Growth and Development, 1 West Main Street, Newcastle, WY 82701
Wyoming Earthmoving Corp., P.O. Box 454, Rozet, WY 82727

Cheyenne
122 West 25th Street 82002
(307) 777-7937

Lander
510 Meadowview Drive 82520
(307) 332-3144

Sheridan
2100 W. 5th Street 82801
(307) 673-9337



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 12-330

Stateline Energy Wamsutter Facility
Commercial Oilfield Wastewater Evaporation Pond

This permit hereby authorizes the applicant:

Stateline Energy, LLC
P.O. Box 670
Windsor, CO 80550

to construct, install or modify up to five (5) evaporative pond cells for disposal of oilfield exploration and production wastewaters, according to the procedures and conditions of the application number 12-330. The facility is located in Section 5, Township 19 North, Range 93 West, in the county of Carbon, in the State of Wyoming. The facility is located approximately 3.5 miles southeast of Wamsutter, Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 1, 2017.

The issuance of this permit confirms that the Wyoming Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and operator.

Granting this permit does not imply that DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by Wyoming statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the State of Wyoming does not waive its sovereign immunity.

The permittee shall allow authorized representatives from DEQ to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 1 of 12 The applicant will notify the CBM/Oil and Gas Group, Water Quality Division, 152 North Durbin Street, Suite 100, Casper, WY 82601, Phone 307-473-3465, FAX 307-473-3458 of the date construction will begin and the estimated completion date.
- 2 of 12 The applicant will provide the CBM/Oil and Gas Group, Water Quality Division, 152 North Durbin Street, Suite 100, Casper, WY 82601, the name of the type and brand of the primary and secondary liner, the liner manufacturer(s), the liner installation contractor(s), and all other required documentation related to the liners, at least two weeks prior to beginning construction. The manufacturer(s) will need to submit recommended installation methods that include cold weather installation. At a minimum, installation should be conducted in accordance with "Cold Weather Seaming of Geomembranes", Geosynthetic Institute, GRI Test Method GM9 or a comparable method.
- 3 of 12 The applicant will provide immediate oral or written notice to the CBM/Oil and Gas Group, Water Quality Division, 152 North Durbin Street, Suite 100, Casper, WY 82601, Phone 307-473-3465, FAX 307-473-3458, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 4 of 12 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the CBM/Oil and Gas Group, Water Quality Division, 152 North Durbin Street, Suite 100, Casper, WY 82601, a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 5 of 12 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 6 of 12 All construction of the facility will be conducted in accordance with the Technical Specifications, included as part of the engineering design report. Specifically, backfilling and compaction will not be done in the presence of excess moisture (rain or snow). Backfilling, moisture conditioning, and compaction will not be done when the temperature is below freezing or when the material contains frozen soils.

7 of 12 Measurement of depth to groundwater and testing of groundwater is to be performed prior to filling any ponds at this facility. Groundwater monitoring will be conducted on a quarterly basis and results reported to DEQ within a month after receiving laboratory analytical reports. Samples will be submitted for the following analysis:

- a) electrical conductivity
- b) pH
- c) chloride
- d) sodium
- e) alkalinity
- f) sulfate
- g) total dissolved solids

The analyte list and monitoring frequency are subject to revision as needed by CBM/Oil and Gas Group, Water Quality Division.

8 of 12 The leak detection system is to be checked weekly for the first month following filling of a pond and monthly thereafter with a log kept of the inspection results. As new ponds are constructed, the leak detection system is to be checked weekly for the first month. If fluid is found, the DEQ CBM/Oil and Gas Group is to be notified immediately, and samples are to be pulled from the inspection pipes and tested for total petroleum hydrocarbons (TPH) by EPA Method 8015 (modified), chlorides, total dissolved solids (TDS) and sulfates. Results are to be reported to DEQ as soon as they are available. Testing requirements are subject to revision as needed.

If a leak is confirmed, the pond(s) will be pumped dry of all wastewater. No additional wastewater will be placed into the pond(s) until a complete inspection and test of the liner is completed.

9 of 12 Fluids in the ponds are to be checked annually for the following constituents. Each pond will be sampled and analyzed separately in accordance with the following list:

- a) electrical conductivity
- b) pH
- c) chloride
- d) sodium
- e) alkalinity
- f) sulfate
- g) barium
- h) total dissolved solids

The results of the pond analyses are to be reported to DEQ within one month after receiving laboratory analytical reports. The analyte list and monitoring frequency are subject to revision by CBM/Oil and Gas Group, Water Quality Division.

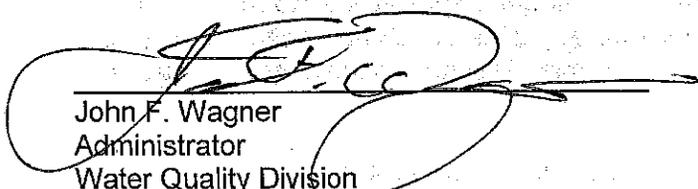
10 of 12 The facility is authorized to receive oilfield exploration and production waste (production water, produced water, and frac water only), exempt from RCRA regulations by EPA. Any other waste must be approved on a case by case basis by the DEQ and the owner. Prior to approval for disposal by DEQ/WQD, all other waste will be subject to rules, regulations, policies, and/or procedures related to hazardous waste determination and disposal, as issued or promulgated by DEQ/Solid and Hazardous Waste Division (SHWD).

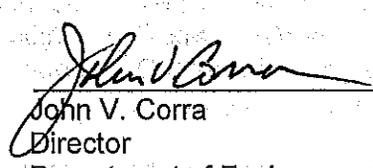
11 of 12 The validity of this permit is subject to the owner maintaining a bond acceptable to the State of Wyoming, DEQ/WQD for the amount of the facility closure and post-closure costs. The

bonding amount is subject to review on an annual basis. The bond amount may be "phased-in", in accordance to the facility construction. However, prior to construction of any pond, financial assurance must be in place which covers the next construction phase. This additional bonding must be acceptable to the State of Wyoming prior to any construction related to that phase.

12 of 12 An annual report will be submitted to DEQ CBM/Oil and Gas Group by April 1 of each year. The annual report will include relevant details of the construction, modification, and operation details of the facility from the previous year, any anticipated construction, modification and/or operational changes for the upcoming year. The report will include a discussion and analysis of the groundwater monitoring, leak detection monitoring and pond analysis. A listing of all non exploration and production wastes accepted by the facility will also be included in the annual report. This listing shall include generator, type of waste, amount and date of disposal. The annual report will also include a review of the closure and post closure requirements, including financial costs. A renewal of the bond will be required as part of the annual report. Reporting requirements are subject to modification by DEQ.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

10-16-12
Date of Issuance

JDL/kjm/bb/12-0968

cc: Dave Rau, Paragon Consulting, 1103 Oak Park Drive, Suite 110, Fort Collins, CO 80525

STATEMENT OF BASIS

1. Permit Number: **12-330**
2. Application reviewed for compliance with the following applicable regulations :
Chapters 3 and 11 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?
YES
4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.
 - a. The permit includes approval to deviate from the following regulatory requirements:
Not applicable
 - b. Briefly state the basis for the deviation.
Not applicable
 - c. Permit approval is based upon deviation from applicable regulations in accordance with approved policy statement.
Not applicable
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was required.
6. If Section 17 of Chapter 3 review is required, indicate the basis for determining groundwater will be protected.

The facility will not allow a discharge to groundwater.

Each pond will have a primary liner of 60 mil high density polyethylene with a 40 mil high density polyethylene secondary liner. A compacted clay subgrade will be installed under the secondary liner. A leak detection system will be installed between the two liners. Groundwater monitoring wells will also be installed at the facility to monitor groundwater on a quarterly basis.

Quality of wastewater is such that it will not cause a violation of groundwater standards.

Not applicable

Existing soils or geology will not allow a discharge to groundwater.

Not applicable

The facility is designed and will be operated so that it will not to violate groundwater standards.

Not applicable

Discharge will result in groundwater concentrations in excess of standards but post discharge water quality can be returned to standards in accordance with Section 4 (d)(vi), Chapter VIII. Briefly describe:

Not applicable

If any groundwater quality standards are to be exceeded, briefly describe how any users of the affected aquifer will be protected. The description should include the water quality standard affected, the anticipated maximum concentration, the property boundaries, places of groundwater withdrawal and any other relevant information.

Not applicable

Briefly describe monitoring plan. The groundwater monitoring plan includes the monitoring wells or other sampling points, the parameters to be analyzed, the sampling frequency and reporting methods.

The leak detection system will be checked weekly for the first month after the ponds are filled. A log will be kept of the inspection results. The leak detection system is also monitored by a high level alarm system. If fluid is found, DEQ will be notified immediately. If a leak is confirmed, the pond(s) will be pumped dry of all wastewater. No additional wastewater will be placed into the pond(s) until a complete inspection and test of the liner is completed.

Measurement of depth to groundwater and testing of groundwater is to be performed prior to filling any ponds at this facility. Groundwater monitoring will be conducted on a quarterly basis and results reported to DEQ within a month after receiving laboratory analytical reports. If groundwater monitoring indicates a release to groundwater, a plan to investigate the extent of the release will be submitted to DEQ within 30 days after confirming the release for DEQ's approval. Following approval, the plan will be implemented.

Fluids in the pond are to be checked annually for hazardous constituents by collecting a sample from each pond in operation.

Operational concerns will be identified in an annual report to be submitted to DEQ by April 1 of each year. Any changes in operations, a discussion of groundwater monitoring, leak detection system operation, and pond characterization is to be included in the annual report.

The permit should clearly state the parameters to be utilized for determining compliance and what occurrences constitute a violation. The permit should identify the corrective actions to be taken in the event of a violation of a groundwater standard.

Documentation of Statement of Basis.

The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Kim Medina and Dennis Lamb, CBM / Oil and Gas Group and completed on September 24, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

JDL/KJM/bb/12-0968



Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.



Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 28, 2012

Mr. Jim Piche
P.O. Box 1154
Rawlins, WY 82301

RE: Jim Piche Residence Septic System,
Application No. **12-331, Carbon County**

Dear Mr. Piche:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate a Small Wastewater Facility consisting of a 1000 gallon, two compartment, concrete septic tank discharging into about 142 feet of chamber type trench leachfield divided into two equal length trenches lines of about 71 feet each for a three-bedroom residential residence, located in the **SW¼, Section 8, T21N, R87W, Carbon County** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with **Chapter 25** of the Water Quality Division Rules and Regulations, the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by August 28, 2015.

1. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway **from each compartment of the septic tank must be extended to the ground surface.**
2. Nothing in this permit shall be binding or construed to be binding for other governmental agencies having jurisdiction in regards to the system described above. The permittee of this permit shall be subject to all laws and regulations applicable to the system described above.

This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:

Herschler Building · 122 West 25th Street · Cheyenne, WY 82002 · <http://deq.state.wy.us>

ADMIN/OUTREACH (307) 777-7758 FAX 777-7692	ABANDONED MINES (307) 777-8145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7399 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7762 FAX 777-5973	WATER QUALITY (307) 777-7701 FAX 777-6973
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http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Please reference Application No. 12-331 in any future correspondence.

If you have any questions, please contact me at either seth.tourney@wyo.gov or by phone at (307) 777-7088.

Sincerely,



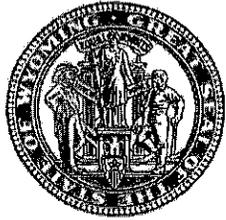
Seth Tourney, P.E.
Southeast District Engineer
Southeast District, Water & Wastewater Section
Water Quality Division

SWT/rm/12-0787

Enclosures: Certificate of Completion
Approved Application Package

cc: IPS

Kristy Rowan, Carbon County Planning Office, Carbon Building, 215 West
Buffalo Street, Suite 336, Rawlins, Wyoming 82301



Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 29, 2012

Robert Stoddard
Chairman Uinta County Commissioners
225 Ninth Street
Evanston, WY 82930

RE: Uinta County - Uinta County Waterline Extension - Bear River Drive and Future Fairgrounds
- Permit Number 12-332, N 1/2 Section 22, W 1/2 Section 23, T15N, R120W, Uinta County

Dear Mr. Stoddard:

The above application for coverage under **General Permit to Construct** the extension of a **Public Water Supply System** consisting of about 4250 linear feet (LF) of 12-inch PVC water main in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at :

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

If you have any questions, please contact me at 307-332-3144.

Sincerely,

Mark Baron, P.E.
Southwest District Engineer
Water Quality Division

PDF to Cheyenne
Bart Jensen, P.E., Cook-Sanders Associates, 105 Yellow Creek Road, Evanston, WY 82930

Page 1 of 1

Lander Field Office • 510 Meadowview Drive • Lander, WY 82520 • <http://deq.state.wy.us>

ABANDONED MINES
(307) 332-5085
FAX 332-7726

AIR QUALITY
(307) 332-6755
FAX 332-7726

LAND QUALITY
(307) 332-3047
FAX 332-7726

SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

WATER QUALITY
(307) 332-3144
FAX 332-7726





Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 28, 2012

Jordan Estes
301 E 21st Street - #301
Cheyenne, Wyoming 82001

RE: Comfort Inn & Suites – Sewer Relocation
Application No. **12-333, Laramie County**

Dear Mr. Estes:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate Extensions to or Modifications of an Existing **Sewage Collection System** consisting of approximately 400 linear feet of 8" sanitary sewer pipe and 4 new manholes, located in the **NW¼ of Section 8, T13N, R66W, Laramie County** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the sewage collection system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, and in accordance with the general permit, the condition listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **August 28, 2014**.

The following project specific condition also applies:

Abandoned In-Place Sanitary Sewer Lines Requirements - All sewer lines that are to be abandoned in-place shall be flushed and cleaned-out before being abandoned. Additionally, where the abandoned sewer lines enter a manhole they shall be plugged and sealed with cement for a distance of at least 10 feet back into the abandoned pipe.

This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:
http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

ADMIN/OUTREACH (307) 777-7769 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-8462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-0937	LAND QUALITY (307) 777-7766 FAX 777-6894	SOLID & HAZ. WASTE (307) 777-7762 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5873
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Please reference Application No. 12-333 in any future correspondence.

If you have any questions, please contact me at either ron.ewald@wyo.gov or by phone at (307) 777-6183.

Sincerely,



Ronald L. Ewald
Assistant Southeast District Engineer
Water Quality Division

RLE/rm/12-0789

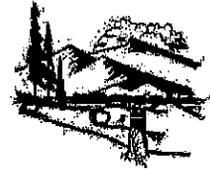
Enclosures: Certificate of Completion form

cc: IPS, Cheyenne
South Cheyenne Water & Sewer District, Dena Hanson, Office Manager, 215 East
Allison Road, Cheyenne, Wyoming 82007
Lawrence R. Gallagher, Summit Engineering, LLC, 5907 Townsend Place,
Cheyenne, Wyoming 82009



Department of Environmental Quality

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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 • Casper, WY 82601 • (307) 473-3450

John Corra, Director

NOTIFICATION OF COVERAGE

September 17, 2012

Jim Shuman
P.O. Box 573
Moorcroft, WY 82721

RE: Shuman Small Wastewater System
Application No. 12-334, Crook County

Dear Mr. Shuman:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,000 gallon J&D Precast concrete septic tank discharging into four pipe and rock trenches of approximately 60 feet each, for a three bedroom home located in the SW¼, Section 20, Township 50N, Range 67W, Crook County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2014**.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Additionally, the following permit condition applies:

1. Flow-divider tees or a distribution box is required to evenly split flow between trenches. Standard tees are not an adequate substitute for flow-dividing tees.
2. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.
Assistant NE District Engineer
WDEQ/WQD

cc: IPS, Cheyenne
WDEQ Casper File
Tim Lyons, Crook County Growth and Development
Tri-City Excavation, Inc., 169 Thorn Divide Road, Carlile, WY 82721

Cheyenne
122 West 25th Street 82002
(307) 777-7937

Lander
510 Meadowview Drive 82520
(307) 332-3144

Sheridan
2100 W. 5th Street 82801
(307) 673-9337





Department of Environmental Quality

*To protect, conserve, and enhance the quality of Wyoming's
environment for the benefit of current and future generations.*



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 • Casper, WY 82601 • (307) 473-3450

John Corra, Director

NOTIFICATION OF COVERAGE

August 28, 2012

Austin Burch
2409 D Road
Moorcroft, WY 82721

RE: Burch Small Wastewater System
Application No. 12-335, Crook County

Dear Mr. Burch:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,250 gallon ICM concrete septic tank discharging into four pipe and rock trenches of approximately 102 feet each, for a five bedroom home located in the SW $\frac{1}{4}$, Section 2, Township 53N, Range 68W, Crook County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2014**.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Additionally, the following permit condition applies:

1. Flow-divider tees or a distribution box is required to evenly split flow between trenches. Standard tees are not an adequate substitute for flow-dividing tees.
2. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.
Assistant NE District Engineer
WDEQ/WQD

cc: IPS, Cheyenne
WDEQ Casper File
Tim Lyons, Crook County Growth and Development

Cheyenne
122 West 25th Street 82002
(307) 777-7937

Lander
510 Meadowview Drive 82520
(307) 332-3144

Sheridan
2100 W. 5th Street 82801
(307) 673-9337



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
AS-BUILT
PERMIT TO CONSTRUCT

PERMIT NO. 12-336

Samson Fort Union Drill Camp
No Public Water System Number Assigned

This permit hereby authorizes the applicant:

Debbie Sorensen
Mountain West Oilfield/ PTI Group USA
P.O. Box 670
Vernal, UT 84078

to construct a temporary drilling camp and a temporary production camp public water supply system consisting of 3,135 gallons of finished water storage and a single booster pump for each camp and a sewage collection and storage system consisting of a 4,000 gallon sewage storage tank with a lift pump for each camp according to the procedures and conditions of the application number 12-336. The facility is located approximately 62 miles southeast of The City of Rock Springs within NE ¼ SW ¼, Section 7, T14N, R95W at Lat: 41.205442° and Long: -108.143897° (NAD 83) in the county of Sweetwater, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by November 21, 2014.

The issuance of this permit confirms that the Wyoming Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and operator.

Granting this permit does not imply that DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by Wyoming statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the State of Wyoming does not waive its sovereign immunity.

The permittee shall allow authorized representatives from DEQ to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

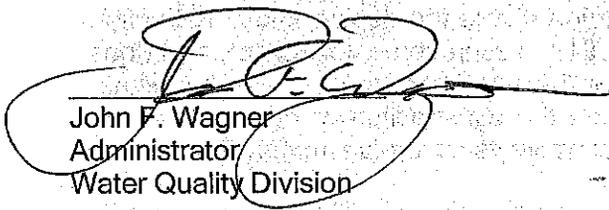
1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

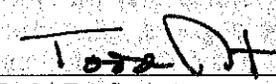
2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.

- a. Date that construction of the facility was completed; and
- b. Date that the facility was placed in operation; and
- c. Certification the facility was constructed in accordance with the terms and conditions of the permit;
or
- d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.

3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


Todd Parfitt
Director
Department of Environmental Quality

12-14-12
Date of Issuance

MDB/rm/12-1131

cc: David Weston, P.E., Uintah Engineering, 85 S 200 E, Vernal, Utah 84078

STATEMENT OF BASIS

1. Permit Number: 12-336
2. Application reviewed for compliance with the following regulations:
3. Chapters 3, 11 and 12 of the Wyoming Water Quality Rules and Regulations.
4. Does the permit comply with all applicable regulations identified above?

No.

5. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.

Mountain West Oilfield Services/PTI Group USA provides temporary onsite living quarters. PTI Group will purchase potable water from the City of Rawlins and will haul this potable water to the Drilling Camp and Production Camp Sites. Bioaction and Zoco Unlimited will haul sewage from the Drilling Camp and Production Camp Sites to the City of Rawlins's sewage lagoons for disposal.

Chapter 11, Section 43 (a) requires 7 days of storage for sewage holding tanks. Both the Drilling Camp and the Production Camp will each have 4000 gallon storage tanks which will provide 4 days of sewage storage for each Camp. Both tanks have alarms set at $\frac{3}{4}$ capacity. Mountain West Oilfield Services has contracted with Bioaction and Zoco Unlimited to provide sewage hauling when needed.

Chapter 12, Section 13 (a)(vi) requires that all water storage structures shall be provided with an overflow. Chapter 12, Section 13 (viii) requires that finished water storage tanks shall be vented. Mountain West uses steel and poly tanks the ploy tanks have combination overflow and vent. The steel and ploy tanks will be stored within fully enclosed insulated skid mounted containers.

Chapter 12, Section 8 (k) requires that enclosed spaces shall be provided with forced ventilation. The water tank and booster pump containers will have no chemical use or storage within the containers. The container doors can be left open when maintenance is required within the container.

6. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.

Not Required.

7. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Mark Baron P.E. Southwest District Engineer, mark.baron@wyo.gov and completed on November 21, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 12-338

Pinedale - McCoy PRV Vault Chlorine Analyzer
Public Water System Number WY5600041

This permit hereby authorizes the applicant:

Eugene Ninnie
Town of Pinedale
P.O. Box 709
Pinedale, WY 82941

to construct a chlorine analyzer system in the McCoy PRV Vault according to the procedures and conditions of the application number 12-338. The facility is located in the north central part of Pinedale in NW ¼ NE ¼ Section 33, T34N, R109W in the county of Sublette, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by September 21, 2014.

The issuance of this permit confirms that the Wyoming Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and operator.

Granting this permit does not imply that DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by Wyoming statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the State of Wyoming does not waive its sovereign immunity.

The permittee shall allow authorized representatives from DEQ to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

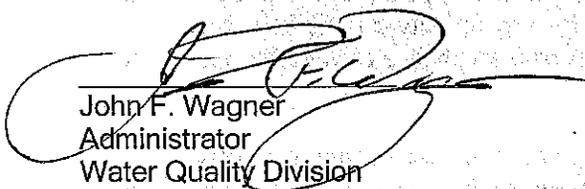
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

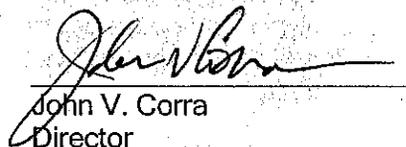
- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadow View Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.

- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

9-25-12
Date of Issuance

MDB/rm/12-0876

STATEMENT OF BASIS

1. Permit Number: 12-338
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. If a Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
The chlorine analyzer will discharge wastewater into a drain field permitted under the Underground Injection Control Program (UIC) permit No. WYS-035-00082.
4. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

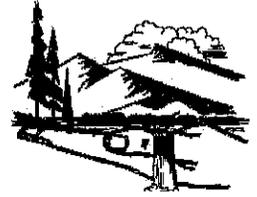
The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Mark D. Baron, P.E., mark.baron@state.wy.us, Southwest District Engineer and completed on September 21, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

cc: Mark C. Eatinger, P.E., P.O. Box 642, Pinedale, WY 82941



Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

September 20, 2012

Albany County Board of Commissioners
525 Grand Avenue
Laramie, WY 82070

Subject: Non-Adverse Recommendation, Vaquero Subdivision, Albany County
DEQ/WQD Application # 12-339

Dear Commissioners:

The Wyoming Department of Environmental Quality has completed the review of the proposed Vaquero Subdivision located in the Northeast ¼ Section 15, T15N, R73W, 6th P.M., in Albany County, Wyoming. The Vaquero Subdivision will create three (3) lots out of approximately 35 acres. The information was submitted by Weston Engineer, Inc., signed by Jerry Hunt, P.E., a Wyoming Licensed Engineer, and Sue Ann Spencer, P.G., a Wyoming Professional Geologist. This letter represents the recommendations of the Wyoming Department of Environmental Quality as required by W.S. 18-5-306(c).

Findings as to the safety and adequacy of the proposed sewage system:

The proposed sewage system is the use of individual on-site septic tanks and leach fields permitted by and constructed to Wyoming Department of Environmental Quality Water Quality Rules and Regulations and the standards established by the Albany County Planning Department. The information submitted addresses the safety and adequacy of the proposed sewage system, provided the statements indicated in the "Notes required to be added to the final plat" are adhered to.

Findings as to the safety and adequacy of the proposed water system:

The proposed water system is the use of individual water supply wells completed on each lot. Each well must be permitted by and constructed to the Wyoming State Engineer's Office standards. The information submitted addresses the safety and adequacy of the proposed water system, provided compliance with the statements indicated in the "Notes required to be added to the final plat and other pertinent documents" is maintained.

Notes required to be added to the final plat, and other pertinent documents:

1. The drinking water wells meet Wyoming Department of Environmental Quality's Class I, with the exception of the total dissolved solids and sulfates, in Chapter 8 of the Water Quality Rules and Regulations.

Herschler Building · 122 West 25th Street · Cheyenne, WY 82002 · <http://deq.state.wy.us>

ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
--------------------------------------------------	---------------------------------------------------	-----------------------------------------------	-----------------------------------------------------	------------------------------------------------	------------------------------------------------------	-------------------------------------------------



Conclusions:

The Department of Environmental Quality has "No Adverse" recommendations applicable to the Vaquero Subdivision.

Disclaimer:

The Non-Adverse recommendation provided above has nothing to do with, nor has any bearing on the water rights associated with the Vaquero Subdivision. Any questions or concerns about the water rights for the Vaquero Subdivision should be directed to the State Engineer's Office.

Nothing in Department of Environmental Quality recommendations or comments regarding the Weston Engineering's proposal for the Vaquero Subdivision shall be construed to relieve James Sweckard of the obligation to obtain any permits or additional approval from any local, state or federal agencies as required by law, rules, regulations, or ordinances. Nothing in these recommendations commits the Department of Environmental Quality or Albany County to the issuance of required permits for construction, operation, or modification of water supply or sewage systems.

Sincerely,



Seth Tourney, PE.
Southeast District Engineer
Water & Wastewater Program, Water Quality Division

SWT/ rm/12-0865

cc: James Sweckard, Landowner, 4315 Western Skies Road, Laramie, Wyoming, 82070
Sue Spencer, Weston Engineering, 1050 North 3rd Street, Suite E, Laramie, Wyoming, 82072
David Gertsch, Director, Albany County Planning Office, 1002 South Third Street, Laramie, Wyoming 82070
Mike Ebsen, SEO



Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

August 20, 2012

Albany County Board of Commissioners
525 Grand Avenue
Laramie, WY 82070

RE: Vaquero Subdivision, Albany County
WDEQ Application #12-339

Dear Commissioners:

The Wyoming Department of Environmental Quality (WDEQ) has received application material related to the Vaquero Subdivision for review of the safety and adequacy of water supply and sewer systems pursuant to W.S. §18-5-306. The application material and signed application form was received August 20, 2012. As described in the statute, WDEQ has 30 days to respond with comments and recommendations, however, if necessary WDEQ may extend the review period for an additional 30 days. Due to workload, at this time WDEQ is extending the review period. Therefore, WDEQ's recommendations will be provided to the Commission by October 19, 2012.

A copy of the subdivision application package has been provided to the Wyoming State Engineer's Office for their information and advice to the Water Quality Division.

Please do not hesitate to contact me at (307)-777-7088 if you have any questions regarding this subdivision application or WDEQ's subdivision application review process.

Sincerely,

Seth Tournay, PE
Southeast District Engineer
Water and Wastewater Program, Wyoming Water Quality Division

SWT/rm/12-0770

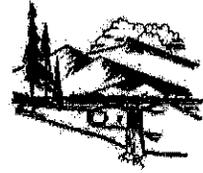
cc: James Sweckard, Landowner, 4315 Western Skies Road, Laramie, Wyoming, 82070
Sue Spencer, Weston Engineering, 1050 North 3rd Street, Suite E, Laramie, Wyoming, 82072
Doug Bryant, Director, Albany County Planning Office, 1002 South Third Street, Laramie, Wyoming 82070
Mike Ebsen, SEO with enclosure





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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

John Corra, Director

NOTIFICATION OF COVERAGE

September 20, 2012

Andrew Beamer, P.E.
City of Casper
200 North David Street
Casper, WY 82601

RE: 5 & Wolcott Sanitary Sewer Extension and Waterline Lowering, Permit No. 12-341
NE ¼ of Section 9, Township 33 North, Range 79 West – City of Casper, WY

Dear Mr. Beamer:

The above application for coverage under General Permits to Construct the modification of a Public Water Supply System and the modification of a Public Sewage Collection System, to provide for the lowering of an existing 24" watermain, and the installation of a new sanitary manhole and 380' of 8" Sanitary Sewer with 10 associated sewer services, in accordance with Chapter 3, Section 7 and Chapter 11 and Chapter 12 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facilities in accordance with the General Permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2013.

If you have any questions, please contact me at 307-473-3478.

Sincerely,

Karen L. Farley, P.E.
NE District Engineer
WDEQ/WQD

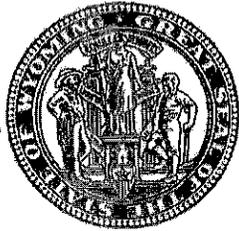
cc: PDF to Cheyenne
WDEQ Casper File
Scott Baxter, P.E., City of Casper, 200 North David, Casper, WY 82601
Dave Hill, City of Casper, 200 North David Street, Casper, WY 82601

Cheyenne
122 West 25th Street 82002
(307) 777-7937

Lander
510 Meadowview Drive 82520
(307) 332-3144

Sheridan
2100 W. 5th Street 82801
(307) 673-9337





Department of Environmental Quality



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Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

November 29, 2012

Gary Waldner
Wamsutter Trailer Court, LLC
P.O. Box 67
Wamsutter, WY 82336

RE: Wamsutter - Wamsutter Residential Subdivision and RV Park - Water and Sewer Mains - Permit Number 12-342, SE ¼ Section 27 and NE ¼ Section 34, T20N, R94W, Sweetwater County

Dear Mr. Waldner:

The above application for coverage under **General Permit to Construct** for the extension of a **Public Water Supply System** and the extension of a **Public Sewage Collection System** consisting of water and sewer mains to serve 30 residential lots and 39 recreational vehicle spaces accordance in accordance with Chapter 3, Section 7, Chapter 12, Section 14 and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facilities in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at : http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

If you have any questions, please contact me at 307-332-3144.

Sincerely,

Mark Baron, P.E.
Southwest District Engineer
Water Quality Division

PDF to Cheyenne
xc: Flint Polson, P.E., Coffey Engineering&Surveying,902 South 3rd Street, Laramie, WY 82070





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John Corra, Director

NOTIFICATION OF COVERAGE

September 4, 2012

Larry Schommer
City of Sundance
P.O. Box 542
Sundance, WY 82729

RE: Cole Well Field Transmission Line Air Valve Replacement
Application No. 12-343, Crook County

Dear Mr. Schommer:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Water Supply Distribution Systems, consisting of the replacement of three air valves on an 8 inch water line, located in the NW $\frac{1}{4}$, Section 31, Township 52N, Range 62W, Crook County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with Chapter 12 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2014.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.
Assistant NE District Engineer
WDEQ/WQD

cc: IPS, Cheyenne
WDEQ Casper File
Daniel Mummert, P.E., Trihydro Corp., 3001 E. Pershing Boulevard, Suite 115, Cheyenne, WY 82001





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John Corra, Director

NOTIFICATION OF COVERAGE

October 8, 2012

Mike Coleman
Town of Mills
P.O. Box 789
Mills, WY 82644

RE: Town of Mills – Poison Spider Road – 14" Water Line Replacement
Application No. 12-344, Natrona County

Dear Mr. Coleman:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Water Supply Distribution Systems, consisting of approximately 4,900 feet of 14" PVC water main, 2 replacement fire hydrants, 10 new fire hydrants, and re-connection of multiple services, for the project located in the NE ¼ of Section 11 and the NW ¼ of Section 12, Township 33 North, Range 80 West, Natrona County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations, has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with Chapter 12 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2014**.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

If you have any questions, please contact me at 307-473-3478.

Sincerely,

Karen L. Farley, P.E.
NE District Engineer
WDEQ/WQD

cc: IPS, Cheyenne
WDEQ Casper File
Matt Williams, P.E., WLC, 200 Pronghorn, Casper, WY 82601

Cheyenne
122 West 25th Street 82002
(307) 777-7937

Lander
510 Meadowview Drive 82520
(307) 332-3144

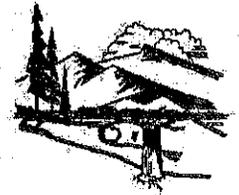
Sheridan
2100 W. 5th Street 82801
(307) 673-9337





Department of Environmental Quality

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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

John Corra, Director

August 27, 2012

Matt Williams, P.E.
WLC Engineering, Surveying, and Planning
200 Pronghorn
Casper, WY 82601

RE: Town of Mills – Poison Spider Road 14" Water Line Replacement
Location: NW ¼, Section 12, Township 33 N., Range 80 W., Natrona County
WDEQ Application #12-344

Dear Mr. Williams:

We have completed our review of the construction permit application submitted to our office on August 15, 2012. Attached you will find a summary of additional information required to complete our review. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3469 should you have any questions related to these comments or the application and review process.

Sincerely,

Jason Vreeland, P.E.
Assistant NE District Engineer
WDEQ/WQD

Karen L. Farley, P.E.
NE District Engineer
WDEQ/WQD

Attachments: WDEQ Comments

cc: Mike Coleman, Town of Mills, P.O. Box 789, Mills, WY 82644
IPS
WDEQ File



REVIEW OF PLANS & SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
152 North Durbin Street, Suite 100
Casper, Wyoming 82601
Phone (307) 473-3465

PROJECT: Town of Mills – Poison Spider Road 14” Water Line Replacement

LOCATION: Town of Mills, Wyoming

ENGINEER: WLC Engineering, Surveying, and Planning

APPLICANT: Town of Mills

WATER QUALITY DIVISION APPLICATION NUMBER: 12-344

DATE ON PROPOSAL/PLANS/REPORT: August 14, 2012

DATE RECEIVED BY DEQ: August 15, 2012

DATE OF THIS REVIEW: August 24, 2012

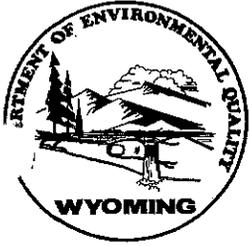
WDEQ REVIEWER: Jason Vreeland, P.E., Karen L. Farley, P.E.

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. In accordance with Chapter 3, Section 14 (a), Wyoming Water Quality Rules and Regulations (WWQRR), the application is denied because it is incomplete and/or contains errors. Please address the comments outlined below and submit the requested information/clarifications in order that the application process may be completed in accordance with Chapter 3, Section 9 of the WWQRR. If the applicant fails to provide the requested information within six months, the incomplete application shall be returned. **This review may not include all deficiencies and shall not be construed as a complete comprehensive list.**

WDEQ COMMENTS

- 1) Chapter 12, Section 14(g) – Sheet 4 of 15 notes an oil pipe crossing at station 1+55 with inadequate separation. Please note how adequate separation will be achieved at this crossing. The pipeline company may require a considerable separation and isolation measures for this. Have they been contacted?
- 2) Chapter 12, Section 7(c)(ii) – Please provide profiles for hydrant leads crossing sanitary sewer and storm sewer lines.
- 3) Sheet 5 of 15 indicates the installation of 20 feet of 12” PVC Pipe but also to connect to the existing 6” PVC waterline. Please clarify.

- 4) City of Casper Construction Specifications call for a 300' spacing for fire hydrants in districts other than residential. It appears that a 400' spacing was used for design. Please address.
- 5) Chapter 12, Section 14(b) – Please use current hydrant flow data for the project, not the tank levels. Please re-evaluate the water modeling using this information.
- 6) Chapter 12, Section 14(b)(iii) – Please confirm the fire flow requirement in this area. A letter from the City of Casper, Town of Mills, and/or the fire marshal should be submitted with this application.
- 7) Chapter 12, Section 14(a) – Please specify the DR of the pipe proposed.
- 8) Chapter 3 – The Town of Mills has signed the application as the “Real Estate Owner or the grantee of the applicable easement”. Isn't this project being installed in WYDOT ROW?
- 9) Chapter 12, Section 14(d)(ii) – Is groundwater present in this area?
- 10) Chapter 12, Section 14(d)(iii)- Sheet 5, Sheet 9, Sheet 10, and Sheet 11 show proposed fire hydrants being located too close to sewers (must be no less than 10'). Please correct.
- 11) Please provide information on the construction methods and/or removal of the existing AC water line.



**WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT**

PERMIT NO. 12-345

Pacificorp Wyodak Plant

This permit hereby authorizes the applicant:

Pacificorp Wyodak Plant
48 Wyodak Road
Gillette, WY 82718

to install monitoring wells according to the procedures and conditions of the application number 12-345. The facilities are located in the Ne ¼ Section 28, Township 50 North, Range 71 West in the county of Campbell, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by September 1, 2014.

The issuance of this permit confirms that the Wyoming Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and operator.

Nothing in this permit constitutes an endorsement by DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by Wyoming statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the State of Wyoming does not waive its sovereign immunity.

The permittee shall allow authorized representatives from DEQ to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

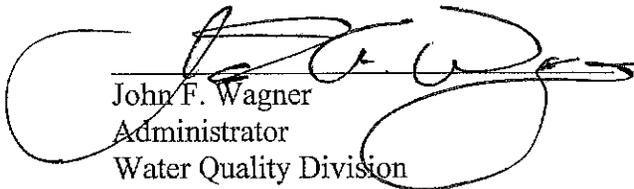
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

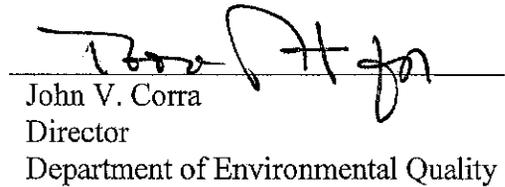
The permittee shall operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

1. The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality/ Water Quality Division, Groundwater Program, 2100 West 5th Street, Sheridan, WY 82801, 307-673-9337, fax 307-672-2213, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
2. This permit is authorized to replace several monitoring wells that have been damaged. PacifiCorp Wyodak Plant shall remain on the previously authorized semi-annual sampling and annual reporting schedule for the groundwater monitoring in association with the Ash Ponds. Please include the as-built monitoring well diagrams constructed under this permit in the annual report.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

8-23-12
Date of Issuance



GROUNDWATER POLLUTION CONTROL PROGRAM
REVIEW COMMENTS:
PLANS/SPECIFICATIONS/PROPOSALS/REPORTS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
2100 West 5th Street
Sheridan, WY 82801
Phone: 307-673-9337

SITE NAME: PacifiCorp Wyodak Power Plant – Ash Ponds

SITE STATUS: Compliance Monitoring

APPLICANT: PacifiCorp Wyodak Power Plant
48 Wyodak Road
Gillette, WY 82718
(307)686-1248
Attn: Bernadette Henshaw

CONSULTANT: Water and Environmental Technologies, PC
480 East Park, Suite 200
Butte, MT 59701
406-782-5220

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 12-345
 EXISTING NEW AS BUILT

TITLE: Application to Install Monitoring Wells

PLANS SPECS PROPOSAL REPORT

DATE ON PROPOSAL/PLANS/REPORT: Received August 20, 2012

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT? NO YES
AN LOV, NOV OR OTHER ENFORCEMENT? NO YES

REVIEWING OFFICIAL: Don Fischer, North District Geologic Supervisor, PG # 2852

DATE OF THIS REVIEW: 8/22/12

ACTION: Permit # 12-345 authorized pursuant to conditions on permit

COMMENTS: GROUNDWATER SECTION

EXECUTIVE SUMMARY

The Wyodak Power Plant is located in east-central Campbell County, Wyoming, approximately five miles east of Gillette. The plant is owned by PacifiCorp and Black Hills Power and consists of a 330,000-kilowatt steam-electric generator that uses sub-bituminous coal as the primary fuel source for the plant's boiler. The bottom ash is transported via freshwater slurry from the power plants to a settling pond in the North (a.k.a. Peerless) Pit. As water flows through the cells of the settling pond, the ash settles out and clear water is decanted into the clear water pond. From the clear water pond, the water is returned to the power plant for reuse. The ash ponds are constructed in the backfill of a previously mined pit. Ash is periodically removed from the ponds and deposited in areas north and west of the ponds.

Leaching studies were initiated to determine the effects of the fly ash on groundwater quality. The studies concluded that hydrated fly ash, when crushed and subjected to column leaching tests, alters the quality of water that leaches through the ash; however, impacts from leachate on groundwater quality would be minimal. The primary contaminants of concern included boron, selenium, chromium, and arsenic. These studies also indicate that hydrated scrubber ash, when crushed, also alters the quality of water that leaches through it.

PacifiCorp Environmental Remediation Company (PerCo) implemented a groundwater monitoring and sampling program, the purpose of which is to detect potential contamination of native groundwater caused by water infiltrating from the ash ponds. This program included 10 groundwater monitoring wells which monitor three different zones and two ponds (the settling pond and the clear water pond). The analytes included in the current monitoring program are aluminum, ammonia, boron, chloride, temperature, nitrate + nitrite, pH, selenium, and total dissolved solids. Sampling currently occurs on a semi-annual basis.

1.0 SITE DESCRIPTION

The Wyodak Power Plant is located in east-central Campbell County, Wyoming, approximately five miles east of Gillette on Interstate 90 in the NW quarter of Section 27, Township 50 North, and Range 71 West. The Wyodak Mine has been operated continuously since 1922. The plant is now owned by PacifiCorp and Black Hills Power and consists of a 330,000-kilowatt steam-electric generator that uses sub-bituminous coal as the primary fuel source for the plant's boiler.

Bottom ash is slurried from the power plants to a settling pond in the Peerless Pit. The Peerless Pit settling pond was constructed in backfill in the bottom of the Peerless Pit, which was mined decades ago. The backfill is approximately 35 feet (ft) thick along the edges of the pond. The strata underlying the pond embankments and backfill, the underburden of the lower Wyodak coal, is clay and claystone. The pond was originally constructed in 1977 to impound 244,500 cubic yards of ash, but the capacity was enlarged to approximately 464,156 cubic yards in 1989.

The ponds, the coal mine, and three coal-fired power plants reside on Black Hills Corporation (BHC) land. Before the Wyodak Plant was constructed, BHC operated and maintained the pond area. PacifiCorp leases the land occupied by the Wyodak Power Plant from BHC. BHC continues to mine coal from this seam, to the west

of the ponds, to provide fuel for the three power plants.

2.0 HISTORY

The Wyodak Station began operations in June 1978 and became fully operational in October, 1978. During the 1980's the Wyodak plant produced approximately 105 tons per day of bottom ash and 315 tons per day of fly ash. Fly ash used to be dumped dry from belly dump units into the South Pit but the fly ash was blowing and causing air quality problems. Because of this, a berm was constructed and pit water was pumped into the impoundment to hydrate the ash and prevent it from blowing. In 1980 violation notices were issued by the Federal Office of Surface Mining and the WDEQ for disposing of the fly ash without a solid waste permit. As a result of these notices, leaching studies were initiated to determine the effects of the fly ash on groundwater quality. The studies demonstrated that fly ash hydrates and solidifies in a manner similar to low-grade cement and the resulting material is nearly impermeable to water. However, water which does leach through the fly ash contains elevated concentrations of certain contaminants. Based on the impermeability of the solidified fly ash, the department issued a disposal permit to the Wyodak plant on October 6, 1980.

On July 6, 1981, the WDEQ advised the Wyodak Mine that there may be significant movement of groundwater through the fly ash which may contribute to groundwater contamination in the future. The department also believed that over time the fly ash may decompose and create additional conduits to the groundwater. In response to these concerns, a series of studies were conducted to further assess the potential impacts of fly ash on groundwater quality. The results of these studies were included in the September 23, 1981 report entitled, "Projected Groundwater Quality Impacts Caused by Subsurface Fly Ash Disposal". This report concluded that hydrated fly ash when crushed and subjected to column leaching tests, alters the quality of water that leaches through the ash. The primary contaminants of concern included boron, selenium chromium, and arsenic. Increases in pH, total dissolved solids (TDS), alkalinity, carbonate and sodium were also observed. In contrast, a decrease in bicarbonate, calcium and magnesium was observed.

The Table 1, below, briefly summarizes Water Quality Division's (WQD) permitting history of the Ash Ponds.

3.0 GEOLOGY & SOILS

The Wyodak Mine facility is located on the east flank of the Powder River Basin, which is a large sedimentary and structural trough of northeastern Wyoming and southeastern Montana. These sedimentary deposits are included within the Eocene Wasatch and Paleocene Fort Union formations. Locally, the Wasatch formation is primarily composed of mudstone interbedded with poorly cemented sandstone. However, a distinguishing feature of the Wasatch formation is baked and fused scoria or clinker, gravel to boulder size, which is commonly observed at ground surface and also forms many of the clinker capped buttes in the area of the mine and throughout the Powder River Basin. Subsurface soil and rock material beneath the Fort Union coal formation is generally clay, which ranges in thickness from 5 ft to in excess of 66 ft.

The coal seam being mined in the Wyodak area is generally taken as the top of the Fort Union formation. The Fort Union formation in the vicinity of the mine approaches 2000 ft in thickness. Like the Wasatch, the Fort Union strata are lensed and lack continuity. Four distinct lithologies are recognized above the overburden within the Wyodak mine facility:

- Silty, gray, yellow and brown slightly laminated clay;

- Gray to pale yellow and brown silt and very fine sand;
- Fine to medium grained, silty sand;
- Light brown to black carbonaceous clay and shale.

Table 1 Summary of WQD permitting

1976	WQD issued permit to construct a waste water facility to decant clear water for re-use from wastewater stream including ash slurry from the power plant as well as pit water from the Wyodak Mine	76-396
1981	Ch. 3 permit to construct four monitor wells, without reporting requirements	81-616
1989	Ash ponds were enlarged apparently without modification of permit 76-396	
1989	Ch. 3 permit to construct monitor wells, with reporting requirements	89-246
1990	Request for additional Ch. 3 permit to construct a monitor well was denied because 89-246 was still in effect	90-321
1992	Ch. 3 permit to construct monitor wells: AGW-7 (D), AGW-1(D), AGW-1(M), AGW-1(S), AGW-5(M), AGW-5(S), AGW-6(M), and AGW-6(S), with reporting requirements	92-333
1994	CH. 3 permit to construct monitoring wells with reporting requirements	94-483
1996	Modified Ch. 3 permit 92-333 to reduce the analyte list and sampling frequency, permit number remaining the same	92-333
2004	Modified Ch. 3 permit 76-396 to add divider in the ash settling pond and presumably the enlargement done in 1989, changed permit number	04-093
2007	Application for CH. 3 permit to drill to investigate seepage through the dike between the bottom ash pond and the clear water pond was received. No action was taken presumably because the investigation will not substantially change the design of the facility and will not penetrate native ground.	No permit No. assigned
2007	Letter from PacifiCorp clarifying analyte list for ash pond monitoring wells	92-333 and 94-486

4.0 PREVIOUS INVESTIGATIONS

Wyodak's options for permanent disposal of bottom ash in mine backfill originate from two studies conducted in 1983. These studies were consolidated together with other similar studies and submitted to the DEQ in 1986. A third study was completed in 1992 with the purpose of evaluating the suitability of brown, lean clays found near the surface at Wyodak as liner material for encapsulating bottom ash and scrubber ash. An aquifer TDS evaluation was also performed. In addition to the studies mentioned above, the WDEQ also requested the Wyodak Plant to investigate the source of ammonia detected in the groundwater near the ponds.

4.1 BOTTOM ASH INVESTIGATION

The first study concluded that the classification of post-mining groundwater quality within bottom ash may change from Class III (livestock use) to "unsuitable" because of elevated concentrations of boron, sulfate, and total dissolved solids (TDS) found in the column leachate samples. The concentrations of these constituents in the column leachates were only marginally above the DEQ/WQD Class III limits. Because of these findings, it is

considered unlikely that subsurface bottom ash disposal would have a significant long-term impact on the quality of water in the replaced mine spoils.

The maximum total dissolved solids (TDS) concentration in all four fresh ash extracts was only 320 mg/L. No other parameter in the ash test well water samples exceeded the livestock limits. The elevated values of pH and aluminum in the test well water samples, however, match the elevated values of these same two constituents in the historic water quality database for both the clear water and detention cells, which comprise the Peerless Pit disposal pond. Aluminum concentrations have been as high as 152 mg/L in surface water samples collected from the ash detention cell.

4.2 AMMONIA INVESTIGATION

Effluent from septic systems and fertilizers are two known sources of ammonia that can leach to groundwater. Another source of ammonia is groundwater produced from coal and coal ash lithologic units. Ammonia is a natural component of coal. In groundwater associated with coal, ammonia has been found in concentrations ranging from non-detect to 70 mg/L. The groundwater in the vicinity of the Wyodak Power Plant falls within this range. It appears that the groundwater coming into contact with the coal is leaching ammonia.

As part of the ammonia investigation, concentrations of ammonia were monitored in the Bottom Ash Pond, the Clear Water Pond and ten monitoring wells associated with the pond study. In addition to these ponds and wells, Wyodak coal mine also monitors groundwater quality in 7 monitoring wells in a larger area which encompasses the perimeter of the coal mine area. Groundwater analytical data from these groundwater collection sources indicates the aerial extent of the ammonia is extensive.

Since the Wyodak ash and clear water ponds have been constructed in an area previously occupied by an 80 ft thick seam of coal, elevated concentrations of ammonia should be expected in groundwater. Analytical data indicates that concentrations of ammonia detected in the ponds are lower than ammonia concentrations detected in the groundwater. Based on this data, concentrations of ammonia detected in the groundwater should not have originated from the ponds.

4.3 TOTAL DISSOLVED SOLIDS INVESTIGATION

TDS is an indicator of groundwater quality because it provides information on the amount of dissolved constituents in the water. The TDS in the shallow aquifer is largely composed of sulfate, sodium, calcium, chloride, magnesium, and bicarbonate; in that order of composition. The TDS in the medium-depth aquifer is composed of sulfate, sodium, bicarbonate, calcium, magnesium, and chloride; in that order. The TDS in the deep aquifer is composed of bicarbonate, sodium, calcium, and chloride; in that order. These primary minerals constitute over 90% of the dissolved solids in the groundwater.

There is great variability in groundwater TDS both laterally and vertically at this site. There is a large lateral variation in TDS in the shallow aquifer among the four monitoring wells. The TDS in the shallow aquifer increases from north to south by nearly three times. The average TDS in the medium-depth aquifer increases laterally from east to west. The concentration gradient between the lowest TDS and the highest TDS is low when compared to the shallow aquifer. The average TDS in the deep aquifer has a significantly smaller lateral variation between wells than either of the other aquifers. The lowest concentration of TDS is found in the deep aquifer. The quality of groundwater in this aquifer is significantly better than that of the shallower aquifers. Not

surprisingly, the shallow aquifer contains the highest TDS concentrations. The variations are largely due to differences in the four to six primary dissolved minerals in the groundwater. The TDS in well AGW-1s has been increasing since that well was installed and has now reached a concentration that is over 2.6 times that of both of the Bottom Ash and Clear Water ponds.

5.0 ANNUAL REPORTS

This section summarizes the field and analytical results of the ground water quality monitoring program for the PacifiCorp Wyodak Power Plant which are contained in the Annual Reports submitted from 1995 to 2011. PacifiCorp Environmental Remediation Company (PerCo) sampled the ten groundwater monitoring wells and the two ponds from 1995 through 2011 on a semi-annual basis during spring and fall monitoring events.

5.1 BACKGROUND

PacifiCorp monitors groundwater levels and water quality in 10 wells at four sites located around the boundary of the Peerless Pit settling pond under WDEQ Permits 92-333 and 94-486. Three sites have clusters of three monitoring wells, completed in shallow (23 to 38 ft), medium (36.5 to 56 ft) and deep (132 to 160 ft) aquifers. The tenth well, AGW-7, is an upgradient control well with a total depth of 120 ft. The shallow wells are all constructed in mine backfill. The upgradient well was constructed in native subsurface materials. Initially the water quality was monitored quarterly in all 10 wells as required by the WDEQ. However, in July 1996, the sampling frequency was reduced from quarterly to semi-annual and the number of parameters analyzed was also reduced.

Monitoring wells AGW-5d, AGW-6d, and AGW-7 were constructed in 1991. Wells AGW-5d and AGW-6d were first sampled during May 1991. Most of the wells included in the current sampling network were constructed in 1995 and were first sampled during August, 1995. The bottom ash and clear water ponds were sampled at the same time the wells were sampled. In the 1997 annual report, the monitoring report was revised to include only those chemical constituents whose concentrations in the ponds were greater than in the upgradient (background) monitoring well AGW-7. These analytes included aluminum, ammonia, arsenic, alkalinity, boron, chloride, specific conductance, nitrate + nitrite, pH, sodium, selenium, temperature and total dissolved solids.

PacifiCorp has also monitored water quality quarterly in both the detention cell and clear water cell portions of the bottom ash disposal pond for analysis. Monitoring of the clear water cell has been continuous since March 1990. The frequency of monitoring and the analytical parameter suite for both pond cells was reduced in mid-1996 under the same monitoring plan revision described above for the wells.

In the 1998 Annual Report, each analytical parameter included in the sampling program was critically reviewed to determine its effectiveness in providing information regarding potential pond seepage impacts to the groundwater. Based on this analysis, PERco recommended that the number of chemical parameters analyzed be reduced from 14 to 9, with only 7 being sent the laboratory for analysis. In a letter dated April 27, 1999, the WDEQ agreed to a partial revision of the sampling program. The department required that aluminum, ammonia, boron, chloride, temperature, nitrate + nitrite, pH, selenium, and total dissolved solids continue to be included in the sampling program and that the sampling should continue on a semi-annual basis.

5.2 2011 FIELD RESULTS

Field data was collected during June and September groundwater sampling events. The data collected included water depths, well volumes (3), purge volumes, and field water quality parameters. Since September 1995, field data has been collected at the site in addition to analytical data.

Shallow Aquifer Groundwater Elevations:

Data was collected from AGW-1s, AGW-5s, AGW-6s, and AGW-7. During the 2011 sampling events, groundwater in AGW-1s and AGW-6s reached their highest levels since sampling began in 1996. The groundwater level in AGW-5s reached its highest level in May 2010 and then dropped to its lowest level in September 2010 because the bottom ash pond went dry. The 2011 water levels for this well were similar to historic levels. Groundwater levels in AGW-7 remained within historic levels.

Medium Depth Aquifer Groundwater Elevations:

The groundwater elevations in the medium depth aquifers indicate a similar trend over time as the shallow aquifers. Groundwater levels in AGW-1m and AGW-6m continued to trend upward in 2011. The groundwater level in AGW-5m dropped dramatically during the September 2010 event to its lowest level ever. This well appears to be responding to water level fluctuations in the ponds, similar to AGW-5s, implying hydraulic connection between the ponds, the shallow aquifer and the middle aquifer at this location. The lack of this response in the other wells implies less of a connection. An explanation for AGW-5m's better connection to the shallow aquifer may be that there is a problem with the annular seal in AGW-5m.

Deep Aquifer Groundwater Elevations:

All trends in the deep aquifer are similar to previous monitoring events.

Horizontal Flow Component:

The potentiometric surfaces presented for the shallow aquifer were contoured using data from the three shallow wells as well as data from AGW-7. AGW-7 is completed in undisturbed underburden at a depth of 120 feet. The shallow wells are completed in backfill at depths of 23 to 38 feet. The text of the report states that the shallow aquifer exhibits mounding from the pond yet the potentiometric surface indicates groundwater convergence. **The potentiometric surfaces for the shallow aquifer should be redrawn without using the AGW-7 data point. Further, the potentiometric surface for the deep aquifer should be redrawn including the data from AGW-7.**

Vertical Flow Component:

As expected in the shallow to medium depth aquifers, the vertical groundwater flow component is generally downward. During the September 2010 monitoring event, the groundwater flow direction was reversed and the flow was from the medium depth aquifer to the shallow aquifer. As indicated above, during the September 2010 event, the pond was dry while ash was being excavated from the pond to increase its capacity. From the medium depth aquifer to the deep aquifer the groundwater flow direction is also downward.

5.3 2010 ANALYTICAL RESULTS

Ammonia: The ammonia concentrations remained within normal ranges during 2011.

Aluminum: There has been little change in aluminum concentrations in groundwater since sampling began in 1995.

Boron: Boron concentrations dropped in 2010 and currently remain between the normal ranges.

Chloride: Chloride concentrations remain high in both the bottom ash pond and the clear water pond (1150 and 1110 mg/L respectively). Increases in chloride are not evident in any of the monitoring wells.

Nitrate + nitrite: N remains undetected in most wells, except for occasional sampling events.

Selenium: The selenium concentration in most wells remains at or below the Class III groundwater limit.

Sodium: The sodium concentrations in the ponds continue to increase and show large fluctuations. Sodium in the shallow monitor wells appear to follow a similar trend but with much more muted fluctuations. Sodium in the middle and deep aquifers do not show much variation with the exception of AGW-5m which appears to have fluctuations similar to that of SGW-5s.

Total Dissolved Solids (TDS): The TDS concentrations in both ponds are nearly identical and reached a high in September 2009. The 2011 TDS concentrations in all wells were within normal ranges.

pH: The 2011 pH values remain within their normal ranges for both the ponds and the wells.

6.0 CONCLUSIONS

The groundwater elevations in the deep aquifers are decreasing while the groundwater elevations in the other wells are fluctuating within a range.

Flow direction in the middle aquifer appears to be to the west. Flow directions in the shallow and deep aquifers are in question due to the inclusion of data from AGW-7 in the shallow potentiometric surface rather than in the deep potentiometric surface.

The similarity of the water level response and the chloride concentrations in AGW-5s and AGW-5m suggest a more direct hydraulic connection between two aquifers at this location than elsewhere on the property. One possible explanation for this may be a failed annular seal in AGW-5m. PacifiCorp should continue to watch AGW-5m keeping in mind that replacement may be necessary at some point in the future.

The analytical data presented above for the May and September sampling events indicate that the ponds have not been adversely impacted by the groundwater beneath the ponds.

7.0 REQUESTS/REQUIREMENTS/RECOMMENDATIONS

- This permit is authorized to replace monitoring wells that were damaged in response to a recent fire.
- The monitoring data shall continue to be collected in the spring and fall of each year. Analytical results of pond and groundwater sampling shall be submitted (one (1) hard copy and one (1) electronic copy on a CD Rom in a sleeve in the report) to the WDEQ, Sheridan Office, Groundwater Section, 2100 West 5th Street, Sheridan, WY 82801 by January 15th of 2012.

END OF REVIEW

WDF/rm/12-0780

STATE OF WYOMING
DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND INJECTION CONTROL PERMIT ISSUED UNDER
WYOMING WATER QUALITY RULES AND REGULATIONS
CHAPTER 16

CLASS V INJECTION WELL

() New
(X) Modified

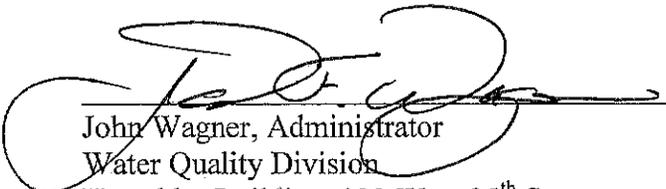
Permit Number: 12-346
Facility Number: WYS-011-010
State Subclass: 5E3
Previous Permit Number: 11-472, 5E3-98-1

In compliance with the Wyoming Environmental Quality act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through 301 (a)(iv), Laws 1973, Ch. 250, Section 1) and Wyoming Water Quality Rules and Regulations, Chapter 16.

Applicant: Moore Trailer Court
Mr. Mike Moore
P. O. Box 241
Moorcroft, WY 82721
(307) 680-0469

Moore Trailer Court, hereafter referred to as the permittee, is authorized to operate the septic system located in the SE¼ of the NE¼ of Section 1, Township 49 North, Range 68 West, of the 6th Principal Meridian, Crook County. The permittee is allowed to operate the facility according to the procedures, conditions, and requirements of this permit.

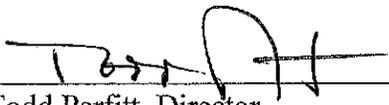
This permit shall become effective on date of issuance.



John Wagner, Administrator
Water Quality Division
Herschler Building, 122 West 25th Street
Cheyenne, WY 82002
(307)-777-7781

12/3/12

Date



Todd Parfitt, Director
Department of Environmental Quality
Herschler Building, 122 West 25th Street
Cheyenne, WY 82002

12/3/12

Date

CMc/rm/12-1109

Table of Contents

A.	Discharge Zone.....	4
B.	Well and Area of Review.....	4
C.	Groundwater Classification.....	4
D.	Authorized Operations.....	4
E.	Hazardous Waste.....	5
F.	Proper Operation and Maintenance.....	5
G.	Entry and Inspection.....	5
H.	Environmental Monitoring Program for Groundwaters of the State.....	5
I.	Requirements for Monitoring Groundwaters of the State.....	8
J.	Test Procedures.....	9
K.	Records and Reports.....	9
L.	Permit Actions.....	9
M.	Abandonment.....	10
N.	Duties of the Permittee.....	10
O.	Signatories Requirement.....	10
P.	Noncompliance.....	11
Q.	Permit Transfer.....	11
R.	Property Rights.....	12
S.	Severability.....	12

A. Discharge Zone

This injection facility (sanitary leachfield) is authorized to inject 3,000 gallons per day average and 5,000 gallons per day maximum. The primary treated wastewater is injected into the Alluvial Aquifer that consists of sandstone and shale decomposed from the Lance Formation which underlies the alluvium. Depth to groundwater in the vicinity of the leachfield is approximately 100 ft, based on State Engineer's Office reports of nearby supply wells.

B. Well and Area of Review

The injection well authorized by this permit is located as follows:

SE¼ of the NE¼ of Section 1, Township 49 North, Range 68 West, of the 6th Principal Meridian, Crook County

The Area of Review is defined as a circular area of 360 acres with the injection facility located near its center.

The Area of Review is based upon the following assumptions:

Table 1 (Area of Review Inputs)

Description	Inputs	Units
Permit Duration	10	Years
Porosity	20	Percent
Maximum Injection Rate	5,000	GPD
Thickness of Receiver	100	Feet
Area of Review	360	Acres
Hydraulic Conductivity	5	Feet/Day

C. Groundwater Classification

The groundwater in the Alluvial Aquifer beneath the permittee's property is classified as Class I according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification is made because the groundwater in this formation is currently being used for domestic purposes at nearby points of withdrawal.

Ground water of Class I shall not be degraded to make it unusable as a source of water for this purpose. An aquifer that contains less than 10,000 mg/L total dissolved solids (and is not exempted) can be considered an underground source of drinking water.

D. Authorized Operations

The operator is authorized to inject at a pressure of no more than atmospheric pressure as measured at the leachfield. This pressure is controlled by gravity drainage and is not required to be monitored. The permittee is authorized to inject a maximum of 5,000 gallons per day. The wastewater is produced from a single residence and a ten (10) trailer mobile home park. The wastewater is injected into the unconfined alluvial aquifer. The wastewater is described as primary treated domestic sewage from septic tanks.

If additional sewage flows are added beyond those identified in the permit application, the leach field and/or treatment system may need to be enlarged in which case the permittee must submit a revised application and receive a new permit prior to modification of the leach field or treatment system.

E. Hazardous Waste

This permit does not allow for the injection of any hazardous waste as defined in 40 CFR 261.3 and in Wyoming Solid Waste Management Rules and Regulations, Chapter 2. Injection of any substance defined as a hazardous waste, whether hazardous by listing or by characteristic is a violation of this permit.

F. Proper Operation and Maintenance

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit. The permittee shall operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes: effective performance, adequate funding, operator staffing and training, and laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit. The injection wells covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapters 11, 16 and 25.

The permittee is required to operate in accordance with statements, representations and procedures presented in the complete permit application and supporting documents as accepted and approved by the Administrator. Any modifications which will result in a violation of permit conditions shall be reported by submission of a new or amended permit application and shall not be implemented until a new or modified permit has been issued. Injection into a well may not begin until construction is complete and the permit is approved.

G. Entry and Inspection

The permittee shall allow the Administrator (upon presentation of credentials and during normal working hours) to enter the premises where a regulated facility is located, or where records are kept under the conditions of this permit and inspect and photograph the discharge and related facilities, review and copy reports and records required by this permit, collect fluid samples for analysis, measure and record water levels, and perform any other function authorized by law or regulation.

H. Environmental Monitoring Program for Groundwaters of the State

General Requirements:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. A groundwater sample is considered representative of the aquifer being monitored when the well has been purged to remove stagnant water prior to collection of a sample for laboratory analysis. Purging can be considered complete when a sufficient volume of water has been removed from the well and stabilization of select groundwater parameters

has been achieved. It is important to record the circumstances surrounding each sample collection event at your facility. These records can help resolve analytical discrepancies. One or both purging methods below shall be used prior to sample collection:

a. Purge by Volume Method

Removal of a *minimum* of three casing volumes of water from the well should be completed prior to collecting a groundwater sample. Minimum purge volume can be calculated by the following equation:

Minimum Purge Volume

$$= 3 * ((\text{Total Well Depth in feet} - \text{Depth to Water in feet}) * \text{Well Capacity})$$

Where Well Capacity (gallons per foot) is based on well diameter:

2 inch well = 0.163

6 inch well = 1.47

4 inch well = 0.653

8 inch well = 2.61

b. Stabilization of Parameters Method

Purging of groundwater until select field parameters have stabilized can be used to demonstrate that a representative sample was collected. Field parameters measured during purging should include at a minimum temperature, pH, and specific conductance. Field parameters should be measured after removal of every half casing volume of water.

Half Casing Volume

$$= 0.5 * ((\text{Total Well Depth in feet} - \text{Depth to Water in feet}) * \text{Well Capacity})$$

Where Well Capacity (gallons per foot) is based on well diameter:

2 inch well = 0.163

6 inch well = 1.47

4 inch well = 0.653

8 inch well = 2.61

A minimum of six (6) parameter measurements should be collected. If field parameters have not stabilized between the last three readings, purging and parameter measurement should continue until stabilization has been achieved. Stabilization can be demonstrated by a variance of no more than +/- 10% for temperature and specific conductance, and +/- 0.2 NTU for pH.

2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.
3. The permittee shall use electronic data deliverable (EDD) reporting when required by the Administrator.
4. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;

- b. The initials or name(s) of the individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The time(s) analyses were initiated;
 - e. The initials or name(s) of the individual(s) who performed the analyses;
 - f. References and written procedures for the analytical techniques or methods used;
 - g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.
5. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
 6. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.
 7. The permittee shall report any noncompliance which may endanger health or the environment within twenty-four (24) hours from the time the operator becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state;
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the state;
 - c. A written submission shall be provided within five (5) days of the time the operator becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
 8. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted.
 9. The monitoring reports shall be submitted on forms provided by the Department. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than forty-five (45) days following each schedule date.

I. Requirements for Monitoring Groundwaters of the State

The groundwater in the receiving formation shall be sampled and the following parameters analyzed according to the schedule identified in **Table 2**. The following parameters shall be analyzed semi-annually and reported annually:

Table 2 (Annual Groundwater Monitoring Schedule)

WELL NAME OR NUMBER	SAMPLING SCHEDULE	PARAMETER ANALYZED	EPA METHOD	STANDARD METHOD	PERMIT LIMIT or UCL ¹	HOLD TIME & TEMPERATURE
Moore #1 (P34466P) Monitor well, downgradient of leachfield	Semi-Annually (January-June and July-December)	Ammonia as N	350.1	SM 4500-NH ₃	0.50 mg/L	28 days / 4° C
		Nitrate-Nitrite as N	300.0; 353.1; 353.2; or 353.3	4500-NO ₃ or 4110	10 mg/L	28 days / 4° C
		Chloride	300.0; 300.1; or 353.2	4110 B, 4140 B, or 4500-Cl	250 mg/L	28 days / no specified temperature
		pH (standard units; s.u.)	150.1 or 150.2	4500-H+B	6.5-8.5 s.u.	As soon as possible after sampling.
		Total Coliform**	presence/absence test	9221 or 9222	Absent	24 hours / 4° C
	Only when coliform is positive	E. Coli	1103.1	9223	0 colonies/100mL	6 hours / 4° C
Monthly	Total volume	Flow meter reading		5000 gpd	N/A	
Septic Tank ₁	Annually	Sludge depth in tank (ft)	Visual		2 feet	N/A

NOTES:

* All applicable chemical concentrations in this permit are expressed as total (not dissolved) in mg/L unless otherwise noted.

** A positive test for the presence of Total Coliform may require a follow-on test to determine the concentration and specific type of bacteria in the water.

¹ The septic tank serving the Moore Trailer Court is to be inspected, at a minimum, annually and must be pumped as necessary based on sludge depth at bottom of the septic tank, and at least once every five years. A copy of the invoice for pumping the tanks is to be included with the annual report. Sludge depth is not to exceed 24 inches in the septic tanks.

All annual reports are to be reported within forty-five (45) days of the last day of each year (February 15th).

The above upper control limits (UCL) cannot be exceeded in any sample. Exceedance of these values is a violation of this permit and shall require notification under Section K of this permit. If the UCL is exceeded in a sample, additional monitoring wells may be required to determine whether groundwater has been impacted and to delineate the nature and extent of any contamination resulting from operation of the permitted facility.

J. Test Procedures

All samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. All samples taken shall include a trip blank of distilled water for each sampling date and a duplicate sample at least once per year. All required analyses shall be conducted in compliance with Wyoming Water Quality Rules and Regulations, Chapter 8, Section 7.

K. Records and Reports

The permittee shall furnish to the Administrator within a specified time any information which the Administrator may request relating to the operation of the facility, including copies of records required to be kept by this permit. The permittee shall retain copies of all records and reports required by this permit for a period of three (3) years following permanent well abandonment. After that time, those records shall be delivered to the Administrator for disposal or archive at his discretion. Confirmed noncompliance resulting in the migration of injected fluid into any zone outside the permitted receiver shall be reported to the Administrator within twenty-four (24) hours, and a written submission (via certified mail) shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written submission shall contain: a description of the noncompliance; the period of noncompliance, including exact dates and times, and if the noncompliance has not been controlled, the anticipated time it is expected to continue; and a list of the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance. Confirmed noncompliance not already reported under this section shall be reported at the time monitoring reports are submitted. The reports shall contain the same information as required by the paragraph above. The permittee shall notify the Administrator thirty (30) days in advance of any planned alteration, conversion, or abandonment of the well covered by this permit.

L. Permit Actions

This permit is authorized for a period of ten (10) years. If the permittee wishes to continue injection after the expiration date of this permit he shall apply to the Administrator and obtain a new permit. The application should be submitted at least 180 days before the expiration date of this permit. Under this permit, the Department may consider injection after the expiration date a violation of the permit.

It shall not be a defense for the permittee in an enforcement action that it would be necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. The filing of a request by the permittee, or at the instigation of the Administrator, for permit modification, revocation, termination, or notification of planned changes or anticipated noncompliance shall not stay any condition of this permit.

After notice and opportunity for a hearing, a permit may be modified, suspended or revoked in whole or part during its term for cause which includes, but is not limited to any of the following:

1. Violation of this permit; or
2. Obtaining a permit by misrepresentation of facts in the application.

This permit will be reviewed at least once every five (5) years, and may be reviewed more frequently. A permit may be modified at any time as may be required, including for conformity with changes in regulations or standards which occur after the permit was issued. A permit may be modified in whole or part in order to apply more or less stringent standards; or prohibitions for toxic or other substances present in the permittees discharge as may be ordered by the Environmental Quality Council.

M. Abandonment

General Requirements:

1. The permittee shall notify the administrator at least thirty (30) days prior to abandonment of the facility.
2. An abandonment report, detailing the compliance with abandonment procedures outlined in the original application for coverage under this permit, or describing any deviations from the original plan, shall be submitted as soon as practicable after abandonment. The abandonment shall include reclamation of the well site.
3. Injection wells covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 16, Section 12.

N. Duties of the Permittee

The permittee shall give advance notice to the Administrator as soon as possible of any planned physical alteration or additions, other than authorized operation and maintenance, to the permitted facility and receive authorization prior to implementing the proposed alternation or addition. The permittee shall furnish the Administrator within a reasonable time any information which the Administrator may request to determine whether cause exists for modifying, revoking, or reissuing, or terminating this permit, or to determine compliance with this permit; and to furnish to the Administrator upon request, copies of records required to be kept by this permit. Any modification which may result in a violation of a permit condition shall be reported to the Administrator, and any modification that will result in a violation of any permit conditions shall be reported to the Administrator through the submission of a new or amended permit application. The permittee shall report all instances where he becomes aware that he failed to submit any relevant facts in the permit application, or where he submitted incorrect information in a permit application or in any report to the Administrator, and shall promptly submit such facts or information.

If any cultural materials are discovered during construction, work in the area should halt immediately. The Administrator and the Wyoming State Historic Preservation Office shall be contacted (777-7697) and the materials shall be evaluated by an archaeologist or historian meeting the Secretary of the Interior's Professional Qualification Standards (48 FR 22716, Sept. 1983).

O. Signatories Requirement

All reports filed in conjunction with this permit shall contain the following certification:

"I certify, under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel

properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

All reports required by this permit and other requested information shall be signed as follows:

For a corporation – by a principal executive officer of at least the level of vice-president;

For a partnership or sole proprietorship – by a general partner or the proprietor, respectively;

For a municipality, state, federal, or other public agency – by either a principal executive officer or ranking elected official; or

By a duly authorized representative for any of the above. A person is a duly authorized representative only if:

1. The authorization is made in writing by one of the prescribed principals;
2. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility or activity; and
3. The written authorization is submitted to the Administrator.

If an authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Administrator prior to or together with any reports or information, to be signed by the new authorized representative.

P. Noncompliance

The permittee shall comply with all conditions of the permit. Any permit noncompliance constitutes a violation of Wyoming Water Quality Rules and Regulations, Chapter 16 and is grounds for enforcement action, permit termination, revocation, or modification. Conformed noncompliance resulting in an excursion shall be reported to the Administrator orally within twenty-four (24) hours, and a written submission shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written report shall contain the sections specified in Section K of this permit. Any permit noncompliance constitutes a violation of this permit.

The filing of any request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

Q. Permit Transfer

Any transfer of this permit shall be accomplished by the submission of the proper forms for permit transfer to the Administrator. Transfer of this permit must first be approved by the Administrator and the Director. No transfer shall be approved unless the proposed permittee

agrees to bring any and all noncompliance issues into compliance with this permit. The permittee is alone responsible for the operation of the facility covered by this permit. Sale of the facility and subsequent operation of this facility by another is a violation of this permit unless a transfer of this permit has first been accomplished.

R. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege. This permit does not authorize injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

S. Severability

Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation.

-End of Permit-



Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.



Matthew H. Mead, Governor

Todd Parfitt, Director

Moore Trailer Court
Attn: Mr. Mike Moore
PO Box 241
Moorcroft, WY 82721

December 3, 2012.

RE: Moore Trailer Court
Draft Permit **12-346**, Class V Septic System Modification
Crook County, Wyoming

Dear Mr. Moore:

Attached please find one (1) copy of the Class V septic system permit for the facility referenced above. This permit requires annual inspection and periodic pumping of the septic tanks. It also requires semiannual sampling of the public water supply well, and annual reporting of these results to the UIC Program. The corresponding report forms can be filled out using our on-line webform (Monitor Reports Link), or you may have the lab submit them using Electronic Data Deliverable (EDD) at the following site: <https://gem.trihydro.com>. For your convenience, the Wyoming Department of Environmental Quality (WDEQ) has printed the inspection forms and enclosed them in this mailing, you may use the paper forms to report your inspection and monitoring activities to WDEQ. Please use the exact well names used in your permit when reporting data to avoid any miscommunications.

The underground injection control program was promulgated to prevent serious problems caused by direct discharges to the groundwater. Those problems included groundwater pollution leading to contamination in domestic water wells and serious health affects caused by exposures to toxic substances and water borne pathogens. Your cooperation with our program is sincerely appreciated.

If you have any questions please do not hesitate to contact me at the below referenced phone number or email:

Sincerely,

Carol McAdams, Geologist
Wyoming Department of Environmental Quality
Water Quality Division
(307) 777-2960
carol.mcadams@wyo.gov

CMc/rm/12-1109

Enclosures: Permit
Monitoring Report Forms

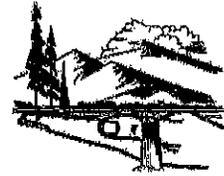
cc: John Passehl, WDEQ





Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

September 28, 2012

Cheyenne Regional Medical Center
Attn: Shane Hansen, Director
214 East 23rd Street
Cheyenne, WY 82001

RE: CRMC Cancer Center and Emergency Department utility Improvements,
Application No. **12-347, Laramie County**

Dear Mr. Hansen:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems** consisting of installing or replacing approximately 450 lineal feet of water main and **Existing Sewage Collection Systems** consisting of replacing approximately 120 lineal feet of sanitary sewer main or service located in the **Northwest ¼, Section 31, T14N, R66W, Laramie County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 12, Section 14** of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in **Part V, Section O** of the general permit. Additionally, the following project specific conditions also apply:

1. Section 2665 E.6 – Water tight plugs shall be maintained in all pipe openings in a trench any time pipe laying is not in progress or the trench is unattended.

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **September 28, 2017.**

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ADMIN/OUTREACH (307) 777-7758 FAX 777-7882	ABANDONED MINES (307) 777-8146 FAX 777-6482	AIR QUALITY (307) 777-7391 FAX 777-6816	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5884	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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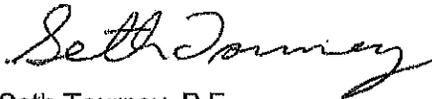
This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Please reference Application No. **12-347** in any future correspondence.

If you have any questions, please contact me at either seth.tourney@wyo.gov or by phone at (307) 777-7088.

Sincerely,



Seth Tourney, P.E.
Southeast District Engineer
Water Quality Division

SWT/m/12-0890

Enclosures: Certificate of Completion form

.cc: IPS
Herman Noe, Cheyenne BOPU, 2416 Snyder Avenue, Cheyenne, WY 82001
Erin Gates, BenchMark Engineers, 1920 Thomas Avenue, Suite 620, Cheyenne,
WY 82001.



Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

September 14, 2012

Town of Saratoga

Attn: John Zeiger, Mayor

P.O. Box 486

Saratoga, Wyoming 82331

RE: 2012 Sewer Improvements, Alley between Maple & Walnut
Application No. 12-348, Carbon County

Dear Mr. Zeiger:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Sewage Collection Systems** consisting of replacing approximately 960 lineal feet of 6" vitrified clay sewer main with 8-inch PVC sewer main located in the Northeast ¼, Section 14, T17N, R84W, Carbon County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, in accordance with the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in **Part V, Section O** of the general permit. Additionally, the following project specific conditions also apply:

1. The variance on the distance between manholes has been granted from the Water Quality Rules and Regulations Chapter 11 Section 9(d)(i) due to the water department's ability to service the longer sewer main distance. Request per Chuck Bartlett by phone conversation on September 13, 2012.
2. The sanitary sewer main through the existing 24-inch casing shall have appropriate casing spacers to ensure structural support for maintaining straightness requirements for the sewer main.

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by September 14, 2017.

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ADMIN/OUTREACH (307) 777-7758 FAX 777-7662	ABANDONED MINES (307) 777-8145 FAX 777-8462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7766 FAX 777-8864	SOLID & HAZ. WASTE (307) 777-7762 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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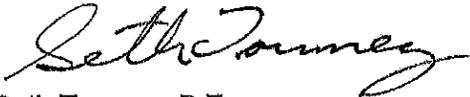
This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Please reference Application No. **12-348** in any future correspondence.

If you have any questions, please contact me at either seth.tourney@wyo.gov or by phone at (307) 777-7088.

Sincerely,



Seth Tourney, P.E.
Southeast District Engineer
Water Quality Division

SWT/rm/12-0836

Enclosures: Certificate of Completion form

cc: IPS

Chuck Bartlett, Town of Saratoga, P.O. Box 486, Saratoga, Wyoming, 82331



Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

November 7, 2012

City of Torrington
Attn: Robert D. Juve, City Engineer
PO Box 250
Torrington, WY 82240

RE: Hope Road Outfall Line 2012 – New Sewer Main
Application No. **12-349**, **Goshen County**

Dear Mr. Juve:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of an Existing Sewage Collection System** consisting of approximately 2801 linear feet of 10" and 2200 feet of 15" SDR-35 PVC sewer main, 8 new 4-foot diameter manholes and 6 new 5-foot diameter manholes, located in the **E½ of Section 9, the N½ of Section 15, and the N½ of Section 16, T24N, R61W, Goshen County** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the sewage collection system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, and in accordance with the general permit, the condition listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **October 31, 2014**.

The following project specific condition also applies:

Abandoning In-Place Sanitary Sewer Line Requirements - All sewer lines that are to be abandoned in-place shall be flushed and cleaned-out before being abandoned. Additionally, where the abandoned sewer lines enter a manhole they shall be plugged and sealed with cement for a distance of at least 10 feet back into the abandoned pipe.

This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:
http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

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Please reference Application No. **12-349** in any future correspondence.

If you have any questions, please contact me at either ron.ewald@wyo.gov or by phone at (307) 777-6183.

Sincerely,



Ronald L. Ewald
Assistant Southeast District Engineer
Water Quality Division

RLE/rm/12-1038

Enclosures: Certificate of Completion form

cc: IPS, Cheyenne
West Highway Water and Sewer District, Rod Girmus, Board Member, 241 East 21st
Avenue, Torrington, WY 82240
Rachelle Thompson, BenchMark of Torrington, P.C., PO Box 99, Torrington,
WY 82240

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: Hope Road Outfall Line 2012

LOCATION: E½ Sec 9, N½ Sec 15, & N½ Sec16, T24N, R61W, **Goshen County**

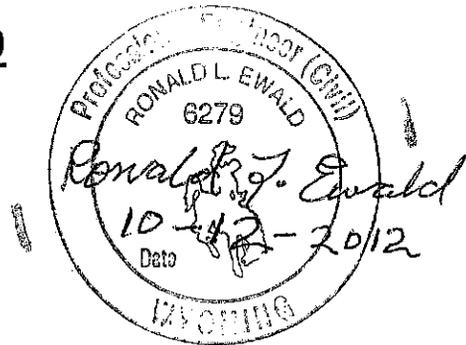
ENGINEER: Rachele Thompson
BenchMark of Torrington, P.C.
PO Box 99
Torrington, WY 82240
Ph: (307) 532-3811

APPLICANT: City of Torrington
Attn. Robert D. Juve, City Engineer
PO Box 250
Torrington, WY 82240
Ph: (307) 532-4815

WATER QUALITY DIVISION REFERENCE #: 12-349

REVIEWING ENGINEER: Ronald L. Ewald
Phone: (307) 777-6183
email: ron.ewald@wyo.gov

DATE OF REVIEW: October 12, 2012



ACTION: **NOT AUTHORIZED FOR CONSTRUCTION.** In accordance with Section 14 (a), Chapter III, Wyoming Water Quality Rules and Regulations, the application is denied because it is incomplete or does not meet applicable minimum design and construction standards. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with Section 9. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

COMMENTS, INADEQUACIES, AND QUESTIONS:

1. Sanitary Manhole-8 Problems and Safety Concerns - the profile drawings show this ManHole(MH) rim to be installed 3 feet below the ground surface. Why is the lid to this MH buried under 3 feet of soil instead of being brought up to the surface? By not bringing this MH all the way to the surface, safety during maintenance or inspection operations will be compromised.

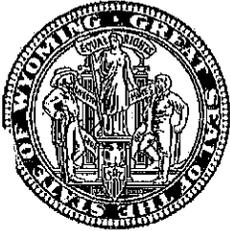
In order to get to the lid to open the MH a 3 foot deep hole with loose sloping sides will have to be dug first. This will make it almost impossible to securely and safely install a normal confined entry tripod with pulley over the hole. Such a setup would be unsafe because the legs would be sitting on the disturbed edges of the dug hole that could sluff-off or collapse, thereby dislodging the safety tripod.

Section 9(d)viii), Chapter 11 of the Water Quality Rules & Regulations(WQR&R) states, "Access. A 22 inch minimum diameter clear opening shall be provided on all manholes. **All manholes shall be located to be accessible by motorized equipment for maintenance.**", and personal safety too. Extending the MH to the ground surface would eliminate these problems and concerns. Please revise the plans for this MH, or provide through and convincing information as to why the top of this MH should be allowed to be buried 3 feet deep.

2. Deep Trenching Concerns - much of this sewer line project is going to be installed in trenches 10 to 18 feet deep. The generic "Typical Trench Detail" provided on Sheet D1 is not very informative by itself. It indicates that the deep trenches will be supported by "shoring" only to get down to as much as 18 feet deep. Is shoring really all that is going to be used to protect the workers? Or, are trench boxes or a combination of techniques to be used to protect the workers at these depths? Please provide a written addendum to the Engineering Design Report describing in detail how the installation work in these deep trenched will be done safely. If additional detail drawings are useful, please provide them also.

END OF REVIEW

RLE/rm/12-0961



Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

September 24, 2012

Creekside Homes, LLC

Attn: Bruce Perryman, Managing Member
1103 Old Town Lane, Suite 101
Cheyenne, WY 82009

RE: Woodhaven Subdivision,
Application No. **12-350**, Laramie County

Dear Mr. Perryman:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems** consisting of replacing approximately 940 lineal feet of 8-inch water main and Existing **Sewage Collection Systems** consisting of replacing approximately 640 lineal feet of 8-inch sanitary sewer main located in the **Northwest ¼, Section 27, T14N, R66W, Platte County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 12, Section 14** of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in **Part V, Section O** of the general permit. Additionally, the following project specific conditions also apply:

1. The Cheyenne Board of Public Utilities Construction Standards and Specifications dated March 1998 shall be used.
2. Water tight plugs shall be maintained in all pipe openings in a trench any time pipe laying is not in progress or the trench is unattended.

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **September 24, 2017**.

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ADMIN/OUTREACH (307) 777-7756 FAX 777-7882	ABANDONED MINES (307) 777-6146 FAX 777-6452	AIR QUALITY (307) 777-7391 FAX 777-6816	INDUSTRIAL SITING (307) 777-7569 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-6864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Please reference Application No. **12-350** in any future correspondence.

If you have any questions, please contact me at either seth.tourney@wyo.gov or by phone at (307) 777-7088.

Sincerely,



Seth Tourney, P.E.
Southeast District Engineer
Water Quality Division

SWT/rm/12-0880

Enclosures: Certificate of Completion form

cc: IPS
Thomas Kent, AVI, p.c., 1103 Old Town Lane, Ste. 101, Cheyenne, WY 82009
Herman Noe, Board of Public Utilities, 2416 Snyder Avenue, Cheyenne, WY 82001